Release 1387

Service Request 17461

Sub-Location Functionality in PPS: Retroactive Range and Merit Adjustments

Test Plan

Document Number test plan.doc
1/11/2002 4:22 PM
Phillip Thompson

Information Systems & Computing
Office of the President
University of California
LOAD CONTROL DATABASE (LOADCTL) .......................................................... 3
LOAD EMPLOYEE DATABASE (LOADEDDB) ..................................................... 4
LOAD RETROACTIVE PROCESS TABLES (LOADRPG) .................................... 5
LOAD ACCOUNT/FUND PROFILE (LOADAFP) ............................................... 6
LOAD THE VSAM PAYSCALE FILE (RUN900) .............................................. 7
PRINT PAR HISTORY (RUN470) ................................................................. 8
RETROACTIVE RANGE (RETRORNG) ............................................................ 9
RETROACTIVE MERIT (RETROMRT) ............................................................. 13
Load Control Database (LOADCTL)

Load the DB2 CTL. The System Messages added with this release are included.

Verification

Confirm the job ran to successful completion.
Load Employee Database (LOADEDB)

Load the EDB.

Verification

Confirm the job ran to successful completion.
Load Retroactive Process Tables (LOADRPG)

Load the Retroactive Process Group (PPPRPG) table to define two sequences for a Retroactive Range and Retroactive Merit process.

Load empty PPPRRH and PPPRRA tables.

Load the Prior Period (PPPPRP) table to define the date range for the PAR selection.

Verification

Confirm the job ran to successful completion.

A SPUFI list displays the two rows inserted into the PPPRPG table with Process ID ‘2001 SUB’.

A SPUFI list displays that no rows exist on the Retroactive Rate History (PPPRRH) table with Process ID ‘2001 SUB’.

The PPPRRA table is not relevant to this test plan.

The contents of the PPPPRP table are printed by PPP930 to DD PPP9301 and can be confirmed in the later range and merit processes.
Sub-Location Functionality in PPS: Retroactive Range and Merit Adjustment

Test Plan
1/11/2002 4:22 PM

**Load Account/Fund Profile (LOADAFP)**

Load the VSAM Account/Fund Profile tables from the flat files provided. These files will be used in the FAU to sub-location derivation during PPP930/PPIMULTI processing.

**Verification**

Confirm the job ran to successful completion.
Load the VSAM Payscale File (RUN900)

Load the VSAM Payscale file from transactions. PPP900 runs in Replacement mode. The VSAM Payscale file is used in the Retroactive Range process.

Verification

Confirm the job ran to successful completion.

The report PPP9001 can be used to confirm rates and sub-locations for particular Title Codes referenced in this test plan.
Print PAR History (RUN470)

Print the merged PAR for dates 07/01/01 through 10/31/01. These dates correspond to the PPPPRP entries.

Verification

Confirm the job ran to successful completion.

The report PPP4701 can be used to confirm the presence of PAR records and their rates and sub-location values, if any.

The main thing to notice is that PAR records for July and August do not have sub-locations, i.e. they were produced before full sub-location functionality was turned on. The PAR records for September and October contain sub-locations, i.e. they were produced after full sub-location functionality was turned on.
Sub-Location Functionality in PPS: Retroactive Range and Merit Adjustment

Test Plan
1/11/2002 4:22 PM

Retroactive Range (RETRORNG)

This series of programs performs a Retroactive Range process.

PPP684 reads a transaction file out of PPP910, which performs the prospective range adjustment process, and creates a pseudo Merit file for eventual input into the Retroactive Rate History. PPP684 was modified in Release 1376 to carry forward a sub-location value from the input file.

PPP685 reads the true and pseudo Merit files, performs some edits on the file, and creates an output Merit Match file. PPP685 was modified in Release 1376 to carry forward a sub-location value from the input file. PPP685 identifies records with rate conflicts. These are records with the same Employee ID, Sub-Location, Title Code, Rate Code and Old Rate, but differing New Rates. The records are flagged with a ‘C’. PPP685 has been further modified in this release to identify records with sub-location rate conflicts. These are records with the same Employee ID, Title Code, Rate Code and Old Rate, but differing New Rates and Sub-locations. The records are flagged with an ‘S’.

PPP686 reads a Merit Match file, and a Run Specification record identifying a particular Process ID and Sequence, and inserts rows into the Retroactive Rate History table (PPPRRH). PPP684 and the PPPRRH table were modified in Release 1376 to carry forward a sub-location value from the input file to the table.

PPP930 reads the PPPPRP table and a merged PAR file and selects appropriately dated PAR records for further process. Selected records old rates and sub-location, if any, are passed to PPIMULTI and PPIRANGE for new rate derivation. PPP930 was modified in Release 1376 to pass a sub-location value from the PAR file to the new rate process. PPP930 has been further modified in this release to handle called module failures resulting from a new FAU to sub-location derivation added to called module PPIMULTI. PPP930 writes report records to PPP940. A new error for sub-location rate conflict is now issued.

NOTE: In the Base system the FAU to sub-location derivation process in PPIMULTI makes use of “under-the-line” program PPFAU002 to access the Account/Fund Profile for department code, and accesses the PPPHME table by department code for the sub-location.

PPP940 reads the report file from PPP930 and writes the records to one of several reports. The report formats have been modified in this release to display the PAR sub-location value, if any.
Verification

Confirm the job ran to successful completion.

The PPP6841 report shows that 26 Rate Records Written from the PPP910 input file to the pseudo Merit file.

The PPP6851 report shows the 24 accepted record. The PPP6852 report shows that two duplicate records were rejected. Per Release 1376 duplication includes matching sub-location. The PPP6853 report confirms that the 24 records were written to the Merit Match file.

The PPP6861 report confirms that the 24 records were written and 24 rows inserted in the PPRRH table. The Run Specification Record is displayed, which shows that these rows were inserted with an RRH Process ID ‘2001 SUB’ and RRH Process Sequence 0100.

The SPUFI list of the PPRRH table confirms that 24 rows exist and that the data, including sub-location, has been carried forward from the Merit Match file to the table. The Process Sequence 0100 is the first sequence for this multiple retroactive process.

The PPP9301 report displays various data on the PPPRP table. Confirm that the Monthly Begin and End Dates are 010701 (yymmdd) and 011031. Confirm that the Bi-Weekly Begin and End dates are 010708 and 011027. This affects which PAR records are selected.

The PPP9401 report simply states how many records were printed for each report type.

The PPP9404 Exceptions Error Report displays records which were selected from the PAR, but which for some reason are found in error.

The PPP9405 Employee Audit Lists displays those records which were selected from the PAR and for which a new rate was derived.

The PPP9408 Employee Earnings Distributions Excluded displays records that match on Title Code only.

000000001 President, Exec
The Title Code is 0001 Uncovered on the PAR. The Title Code on the Payscale table has a default entry with an old rate of 25000.00.

The July PAR rate is 25000 with no sub-location. This appropriately matches the default entry and the new rate of 26000 is derived. The same is true with September and October.
In this test case it does really matter what sub-location or not is on the PAR because due to the default entry on the Payscale table, sub-location is ignored.

The August PAR does not match (a silliness of the test data; oft repeated here) and is correctly flagged as an exception on the PPP9404 report.

000050029 Geste, Shirley U. 
The Title Code is 4722 Covered on the PAR. The Title Code on the Payscale table has a GN and an MD sub-location entry rather than the default.

The July PAR rate is 2287 with no sub-location. This rate exists as an old monthly rate on the Payscale table for both GN and MD, each of which has a new rate. The FAU on the PAR record is account 3-404918- -19900- -1. Sub-location derivation for this FAU results in a sub-location of MD. The new MD rate of 2800 is correctly obtained.

The September and October PAR records contain the MD sub-location. No derivation is required. They also display the correct MD rate of 2800.

000050047 Clare, Ida
This ID repeats the default test case and obtains the correct new rate of 2287. Due to no pay in October, a record is not generated for that month.

000050117 Mealine, Hanna
This ID repeats a test but with Bi-Weekly PAR records. There are two Title Codes, 0767 and 0793 Uncovered. Title Code 0767 on the Payscale table has a GN and MD entry. Title Code 0793 has a default entry.

None of the 0793 rates match and they are relegated to the PPP9404 report.

The PAR record with an 07/07/01 Pay Period End Date is ignored due to the PPPPRP. The next several July and August entries have no sub-location. The FAU 3-427701- 63000- 2 this time derives to GN. The GN new rate of 6941 is correctly obtained. The September and October PAR records contain the GN sub-location. No derivation is required. They also display the correct MD rate of 6941.

000050128 Dinner, Buffy
000050129 Tickley, Fran
ID’s 000050128 and 000050129 repeat the earliest test case of 000050029 for Title Code 4722, except this time the derived and actual PAR sub-locations are GN. Where 000050029 got the new rate of 2800, these ID’s show the Payscale 4722 GN new rate of 2900.

333333333 Surfer, Wendy P
ID 333333333 repeats the earlier test case of Title Code 0793 for 000050117, except this time the hourly rate does have a match. The July record does not have a sub-location and the September and October records have a sub-location of MD, but neither is relevant as the Payscale 4823 only has a default entry. The correct new rate of 17.0000 is obtained.

777555053 Testcase, October L
The Title Code is 4722 Covered on the PAR. The Title Code on the Payscale table has a GN and an MD sub-location entry rather than the default.

The PAR records for July and August have a blank sub-location. The FAU 3-663101-19900-1 does not derive to a sub-location in the current AFP and Home Department table. The old rate for July 3600 could match either the GN or MD; which one cannot be determined. The records for both months are reported on the PPP9408 Employee Earnings Distributions Excluded report.

Both the PAR records, for September and October, have a GN sub-location. The old rate of 3600 is greater than the old maximum and is set to the new maximum. It correctly sets it to the new GN maximum of 3628.37. Due to the type of error, this record is also reported on the PPP9404 report.

999888103 Bookbinder, Rebecca
The Title Code is 0001 (the Avignon anti-President) Covered on the PAR. The Title Code on the Payscale table has a default entry with an old rate of 3000.00.

This repeats the test case 000000001, except that here the Covered rate is found. In addition, the August rate in this case exceeds the old maximum and is set to the new maximum, as with 777555053 above, and as there, is also reported on the PPP9404 report.
Retroactive Merit (RETROMRT)

This series of programs performs a Retroactive Merit process. PPP684 does not run in the sequence. Otherwise the process is similar to the retroactive Range process. When PPP686 inserts the PPPRRH rows it needs to use the second Process Sequence number.

Verification

Confirm the job ran to successful completion.

The PPP6851 report shows the 9 accepted record.

This time there are two rate conflicts. The first involving ID 000050128 is the previously existing version of rate conflict. The Employee ID, Title Code, Sub-Location, Rate Code and Old Rate all match, but the new rates differ. If the new rates had been the same they would have been considered duplicates, but with different new rates they are accepted and flagged. The second involving ID 000050129 is a case of the new conflicting sub-location rates. In this case the Employee ID, Title Code, Rate Code and Old Rate are the same, but the sub-locations are different. The records are accepted and flagged.

The PPP6852 report shows the four Rate Conflict Records. The PPP6853 report confirms that the 9 records were written to the Merit Match file.

The PPP6861 report confirms that the 9 records were written and 9 rows inserted in the PPPRRH table. The Run Specification Record is displayed, which shows that these rows were inserted with an RRH Process ID ‘2001 SUB’ and RRH Process Sequence 0200.

The SPUFI list of the PPPRRH table confirms that 33 rows exist and that the data, including sub-location, has been carried forward from the Merit Match file to the table. The Process Sequence 0200 is the second sequence for this multiple retroactive process. The RRH_EXCEPTION_IND column shows the rate conflict flags. The ‘S’ is the new value introduced for sub-location rate conflicts.

The PPP9401 report states how many records were printed for each report type.

The PPP9404 Exceptions Error Report displays records which were selected from the PAR, but which for some reason are found in error.

The PPP9405 Employee Audit Lists displays those records which were selected from the PAR and for which a new rate was derived.
The PPP9408 Employee Earnings Distributions Excluded displays, with a misleading message, records that match to merited Employee ID’s but which do not match on Title Code or Rate.

**000050021 Blues, Bertha D.**
The Title Code 7510 is on the PAR, and on the Merit Match file with GN sub-location. It does not have a Process Sequence 0100 entry on the PPPRRH table, so the old rate on the Merit Match file must match the PAR rate.

The 06/30/01 and 07/07/01 entries are bypassed due to the PPPPRP.

The 07/21/01 through 08/18/01 records have a rate of 4666.67 with a blank sub-location. The FAU on the PAR record is account 3-404918-19900-1. Sub-location derivation for this FAU results in a sub-location of MD. It does not match the GN entry on the Merit Match table, so therefore the records appear on the PPP9404 exception report.

The September and October PAR records contain the MD sub-location. Again, it does not match the GN entry on the Merit Match table, so therefore these records appears on the PPP9404 exception report.

**000050054 Brothers, Warner**
The Title Code 4722 is on the PAR, and on the Merit Match file with MD sub-location. It does not have a Process Sequence 0100 entry on the PPPRRH table, so the old rate on the Merit Match file must match the PAR rate. This is an hourly rate.

The 06/30/01 and 07/07/01 entries are bypassed due to the PPPPRP.

The 07/21/01 through 08/18/01 records have a rate of 14.43 with a blank sub-location. The FAU on the PAR record is account 3-404918-19900-1. Sub-location derivation for this FAU results in a sub-location of MD. Unlike ID 000050021, there is an MD entry on the Merit Match file. The new MD rate of 16.13 is correctly obtained.

The September and October PAR records contain the MD sub-location. No derivation is required. They also display the correct MD new rate of 16.13.

**000050128 Dinner, Buffy**
The Title Code 4722 is on the PAR, and on the Merit Match file with GN sub-location. There is a prior Process Sequence 0100 entry on the PPPRRH.

The 07/31/01 and 08/31/01 records have a rate of 2287.00 with a blank sub-location. The FAU on the PAR record is account 3-427701-63000-2. Sub-location derivation for this FAU results in a sub-location of GN. First a GN entry is detected on the
PPPRRH table with a matching old rate of 2287.00; its new rate is 2900.00. Next that rate is compared to the Merit Match file where a GN entry with an old rate of 2900.00 is found. Its new rate is 3100.00, which is used for this accepted record on the PPP9405 report.

The September and October PAR records contain the GN sub-location. No derivation is required. They also match the PPPRRH table and Merit Match table and the new rate of 3100.00 is obtained.

Title Code 8846 is on the PAR, and on the Merit Match file three times with GN sub-location. One entry per month on the PAR has a rate of 2475.00; another entry per month has a rate of 2587.38.

Taking the 2475.00 rate first, we see that there are two entries on the Merit Match file, and that are marked with a ‘C’ for a rate conflict. They have the same sub-location GN.

The July and August PAR records have a blank sub-location. The FAU on the PAR record is account 3-427701-63000-2. Sub-location derivation for this FAU results in a sub-location of GN. However, due to the rate conflict it is impossible to determine which new rate should be used. So these records are displayed on the PPP9404 exceptions report.

The September and October PAR records contain the GN sub-location. No derivation is required. However, they still have the rate conflict issue and are displayed on the PPP9404 exceptions report.

Taking the 2587.38 rate next, we see the successful matching of the PAR records, blank sub-location or not, to the Merit Match GN entry and the new rate is obtained for the PPP9405 report.

000050129 Tickley, Fran
The Title Code 4722 is on the PAR, and on the Merit Match file with GN sub-location. There is a prior Process Sequence 0100 entry on the PPPRRH.

The 07/31/01 and 08/31/01 records have a rate of 2287.00 with a blank sub-location. The FAU on the PAR record is account 3-427701-63000-2. Sub-location derivation for this FAU results in a sub-location of GN. First a GN entry is detected on the PPPRRH table with a matching old rate of 2287.00; its new rate is 2900.00. Next that rate is compared to the Merit Match file where a GN entry with an old rate of 2900.00 is found. Its new rate is 3150.00, which is used for this accepted record on the PPP9405 report.
The September and October PAR records contain the GN sub-location. No derivation is required. They also match the PPPRRH table and Merit Match table and the new rate of 3150.00 is obtained.

Title Code 5323 is on the PAR, and on the Merit Match file two times, one with a GN sub-location, another with an MD sub-location. The two entries on the Merit Match file are marked with an ‘S’ for a sub-location rate conflict.

The July and August PAR records have a blank sub-location. The FAU on the PAR record is account 3-427701-  63000-   2. Sub-location derivation for this FAU results in a sub-location of GN. Although there is a rate conflict, since it is a sub-location conflict, and we have a sub-location code to use, the GN entry on the Merit Match file is used and a new rate of 3306.00 is obtained and the records appear on the PPP9405 report.

The September and October PAR records contain the GN sub-location. No derivation is required. They also obtain the new rate of 3306.00 and appear on the PPP9405 report.