

**Release 1352**

**Service Request 17422**

**UAW Dues Retention**

**Test Plan**

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Phillip Thompson

Information Systems & Computing

Office of the President

University of California

## **Review Overview**

The review is made up of the following components.

1. VSAM Control File Load (RUN150)
2. Control Database Load (LOADCTL)
3. Control Database History Load (LOADCDB)
4. Employee Database Load (LOADEDDB)
5. VSAM Bargaining Unit Table Update (RUN010A and RUN010B)
6. DB2 Bargaining Unit Table Update (RUN851)
7. History Bargaining Unit Table Update (RUN741)
8. One-Time to Retain GTN 163 User Balances (PPOT1352)
9. Employee Database Load (LOADEDDB2)
10. EDB File Maintenance (RUNFM)
11. Monthly Periodic Maintenance (RUN130M)
12. EDB ID Change/Delete (RUN040)
13. PPPDUE UDUUE Purge (RUN122)
14. Employee Database Load for Online Testing (LOADEDDB2)
15. Online Testing

## **VSAM Control File Load (RUN150)**

### **Description**

This job loads the VSAM Control File.

### **Verification**

The new field BUT-UDUE-RETENTION has been added to the VSAM BUT table. At this point the field is blank.

## **Control Database Load (LOADCTL)**

### **Description**

This job loads the DB2 CTL database.

### **Verification**

The new column BUT-UDUE-RETENTION has been added to the DB2 PPPBUT table.  
At this point the column defaults to zero.

## **Control Database History Load (LOADCDB)**

### **Description**

This job loads the DB2 CTL History CDB database.

### **Verification**

The new field BUT-UDUE-RETENTION has been added to the DB2 PPPBUTH table.  
At this point the column defaults to zero.

## **Employee Database Load (LOADEDDB)**

### **Description**

This job loads the EDB database.

### **Verification**

The new PPPDUE table is present in the \$\$LOAD, but the table is empty at this point.

## **VSAM Bargaining Unit Table Update (RUN010A and RUN010B)**

### **Description**

This job updates the VSAM CTL. A series of tests has been run to update the new BUT-UDUE-RETENTION field.

### **Verification**

#### **RUN010A**

Run PPP010 using CARDLIB(BUTTEST).

The PPP0100 report confirms that the transactions updating the BX, IX, SX and CX units were accepted.

The PPP0117 report displays the UDUE Retention Months for each Bargaining Unit at the bottom of the flower box. The value should be 025 for IX, 061 for BX, 999 for SX and 100 for CX. All others should display "NO".

#### **RUN010B**

Run PPP010 using CARDLIB(BUTTEST2).

The PPP0100 report confirms that the transaction asterisking the field for the CX unit and changing the value to 000 for SX were accepted. The result of both should be the same, i.e. change the retention period to zero months. The transaction updating the BX unit was rejected because the value contains an alpha 'O' instead of numeric zero, and thus is not numeric.

The PPP0117 report displays the UDUE Retention Months for each Bargaining Unit at the bottom of the flower box. The value should still be 025 for IX and 061 for BX. All others should display "NO". This reflects the expected production environment as of this release. This also reflects the result that should occur from processing CARDLIB(BUTPROD) as part of the production installation.

## **DB2 Bargaining Unit Table Update (RUN851)**

### **Description**

This job updates the DB2 Bargaining Unit Table (17) from the VSAM CTL file. There are multiple DB2 tables generated from the VSAM file.

### **Verification**

The PPP8511 report confirms that the Bargaining Unit Tables were updated.

SPUFI lists show the before and after rows on the PPPBUT table. On the prior list the values are all zeros. On the after list the BUT\_UDUE\_RETENTION is 61 for the BX unit and 25 for the IX unit. All others are still zero.

## **History Bargaining Unit Table Update (RUN741)**

### **Description**

This job updates the History CTL tables in the PPPCDB database. PPP741 compares current data on selected CTL tables with the most recent data on the equivalent CDB table. It performs adds, deletes, and changes as appropriate. The new UDUE Retention column on the PPPBUT rows that contain non-zero values should trigger a change to the PPPBUTH table.

### **Verification**

The PPP7411 report confirms that the Bargaining Unit Table "TABLE BUT was updated with four "changes". Note that "change" means that a new row for an existing key value will be inserted, with the new row reflecting the current values. There will thus be four rows with today's date in BUT\_LAST\_ACTION\_DT.

SPUFI lists display the rows on the PPPBUTH table prior to and after the run of PPP741. On the prior list the values are all zeros. On the after list there is a new row for the BX and IX units. BUT\_UDUE\_RETENTION is 61 for the BX unit and 25 for the IX unit. There is also a new row for the CX and SX units triggered by the update activity in PPP010, however it reflects its final value of zero. There are no other new rows.

## **One-Time to Retain GTN 163 User Balances (PPOT1352)**

### **Description**

This one-time program moves AFT GTN 163 User Balances that represent retained UDUE's from the PPPDBL table to the new PPPDUE table.

If a GTN Balance is present (i.e. a 'G' GTN-Indicator) then the User Balance is presumed to result from ongoing UDUE processing. If a User Balance is present (i.e. a 'U' GTN-Indicator) **without** the presence of a GTN Balance it is presumed to be a retained UDUE for a separated employee. The PPPDBL row will be deleted, an EDB Change File record written, and a row inserted on the PPPDUE table.

The program can be run in non-update and update mode. The results in REPORTS reflects the update mode.

A SPUIFI list in step BATCHSQ1 displays the PPPDBL rows for GTN 163 prior to the one-time.

A SPUIFI list in step BATCHSQ2 displays the PPPDUE rows prior to the one-time. It is empty.

The OT13521 report displays whether the run is update or not, and how many rows were processed.

The PPP1800 report displays the EDB Change File from the one-time. This file is created in both non-update and update mode.

A SPUIFI list in step BATCHSQ3 displays the PPPDBL rows for GTN 163 after the one-time.

A SPUIFI list in step BATCHSQ4 displays the PPPDUE rows after the one-time.

The results in the first two SPUIFI lists, the OTRRR1 and PPP1800 report should be the same in both non-update and update mode. For the non-update test the last two SPUIFI lists should be the same as the first two SPUIFI lists. In update, the last two lists reflect the changes.

This discussion refers to the Update mode.

The OT13521 report displays the message THE EDB WILL BE UPDATED. It also shows that 7 PPPDBL rows were deleted and 7 PPPDUE rows were inserted. These counts should always match.

Test Cases:

000000087 has a single U-Balance, so it should be updated. It appears on the PPP1800 report and changed to zero, i.e. deleted from the PPPDBL table. It no longer appears on the second PPPDBL table list. It does appear on the second PPPDUE table list.

000000089 has a single U-Balance, so it should be updated. It appears on the PPP1800 report and changed to zero, i.e. deleted from the PPPDBL table. It no longer appears on the second PPPDBL table list. It does appear on the second PPPDUE table list.

000000091 has a single U-Balance, so it should be updated. It appears on the PPP1800 report and changed to zero, i.e. deleted from the PPPDBL table. It no longer appears on the second PPPDBL table list. It does appear on the second PPPDUE table list.

000050087 has both a G-balance and U-balance so this represents current UDUE processing. It does not appear in the PPP1800 report. It still appears on the second PPPDBL table list. It does not appear on the second PPPDUE table list.

000050089 has a single U-Balance, so it should be updated. It appears on the PPP1800 report and changed to zero, i.e. deleted from the PPPDBL table. It no longer appears on the second PPPDBL table list. It does appear on the second PPPDUE table list.

000050091 has a single U-Balance, so it should be updated. It appears on the PPP1800 report and changed to zero, i.e. deleted from the PPPDBL table. It no longer appears on the second PPPDBL table list. It does appear on the second PPPDUE table list.

000050106 has both a G-balance and U-balance so this represents current UDUE processing. It does not appear in the PPP1800 report. It still appears on the second PPPDBL table list. It does not appear on the second PPPDUE table list.

000050125 has a single G-balance This represents current UDUE processing as it would appear just after monthly periodic maintenance has zeroed out U-balances and before the month's first Compute has created a new U-Balance. It does not appear in the PPP1800 report. It still appears on the second PPPDBL table list. It does not appear on the second PPPDUE table list.

200000087 has a single G-balance This represents current UDUE processing as it would appear just after monthly periodic maintenance has zeroed out U-balances and before the month's first Compute has created a new U-Balance. It does not appear in the PPP1800 report. It still appears on the second PPPDBL table list. It does not appear on the second PPPDUE table list.

200000091 has a single U-Balance, so it should be updated. It appears on the PPP1800 report and changed to zero, i.e. deleted from the PPPDBL table. It no longer appears on the second PPPDBL table list. It does appear on the second PPPDUE table list.

444444444 has both a Y-balance and U-balance. Since there is no G-balance this does not represent current UDUE processing. It appears on the PPP1800 report. The Y-balance still appears on the second PPPDBL table list since Y-balances are not zeroed out as part of this process, but the U-balance does not. It does appear on the second PPPDUE table list.

999888024 has a single G-balance This represents current UDUE processing as it would appear just after monthly periodic maintenance has zeroed out U-balances and before the month's first Compute has created a new U-Balance. It does not appear in the PPP1800 report. It still appears on the second PPPDBL table list. It does not appear on the second PPPDUE table list.

## **Employee Database Load (LOADEDDB2)**

### **Description**

This job reloads the EDB database.

### **Verification**

The new PPPDUE table is present in the \$\$LOAD, but this time the table contains data for subsequent tests.

## **EDB File Maintenance (RUNFM)**

### **Description**

This job performs batch EDB file maintenance. There is a Separation, some new Hires, and two Rehires.

### **Verification**

The first SPUFI lists the PPPDUE data prior to EDB maintenance.

The first PPP2501 report displays the data prior to EDB maintenance.

The PPP1001 report displays the error/warning messages from the PPP120 processing.

The second PPP2501 report displays the data after EDB maintenance.

The second SPUFI lists the PPPDUE data after EDB maintenance.

For the Hires the results should be as follows:

Emp ID	Unit	PPPDUE Eff Date OK?	GTN Re-instated?	Comment
000000020	IX	Yes	Yes	
000000021	SX	Yes	No	No IX covered appointment
000000022	IX	Yes	Yes	Future Hire/Appointment dates
000000023	IX	No	No	Exceeded retention period
000000024	IX	Yes	No	Explicit maintenance accepted
000000025	None	Yes	No	No appointment
000000026	BX	Yes	Yes	
000000027	BX	No	No	Exceeded retention period

For the Rehires the results should be as follows:

Emp ID	Unit	PPPDUE Eff Date OK?	GTN Re-instated?	Comment
000050001	IX	Yes	Yes	IX Appointment
000050007	IX	Yes	No	No active Appointment

In cases where an appointment exists for the unit but the retention period was exceeded, an Agency Fee GTN should be established in place of the missing union due. The Agency Fee GTN is 458 for IX and 474 for BX.

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Regardless of re-instatement or not, the rows for all the ID's should be gone from the PPPDUE table.

For the Separation, the 163-G entry should still be displayed in the Gross-to-Net Elements for 200000087. Union Dues retention does not occur at the time of the separation action. This retains the PPPDBL entry for possible Computes for which the employee still would receive normal pay.

## **Monthly Periodic Maintenance (RUN130M)**

### **Description**

This job executes PPP130 for monthly processing to begin March. The new program PPEM007 is called for UDUE Retention processing. If a Separation Date is not in the prior month or later, i.e. Computed pay is no longer possible for regular pay, UDUE retention can occur.

### **Verification**

The PPP1800 report should display the changes for 200000087. The G-balance for GTN 163 has been zeroed out.

PPP2501 report displays the data after the EDB maintenance. In the Gross-to-Net Elements the 163-G entry is no longer displayed.

The SPUFI list shows the PPPDUE table after the EDB maintenance. The UDUE for 200000087 has been retained with an effective date of 12/31/2000, i.e. the Separation Date.

## **EDB ID Change/Delete (RUN040)**

### **Description**

This job executes PPP040, which in turn calls PPKEYCHD to perform ID changes and deletes. In Change mode PPKEYCHD now processes PPPDUE data via calls to PPDUEUTL to move any prior rows on the PPPDUE table from the old ID to the new ID.

### **Verification**

The first SPUFI list shows the PPPDUE table prior to PPP040.

The PPP0401 report shows that the transaction was accepted. Employee ID 200000087 was changed to 444400087.

The second SPUFI list shows the PPPDUE table after PPP040. The 200000087 row no longer exists, but a row now exists for the new Employee ID 444400087.

## **PPPDUE UDUET Purge (RUN122)**

### **Description**

This job executes new program PPP122. PPP122 walks through the Bargaining Unit Table, and for each unit determines if any rows exist on the PPPDUE table that have exceeded the retention period. Each PPPDUE row has an effective date, which comes from the Separation Date at the time the PPPDUE row was inserted. A cutoff date is calculated from the SCR-CURRENT-DATE and the number of months in the BUT\_UDUE\_RETENTION column. Any effective date with that UDUET GTN that has an effective date less than the cutoff date is reported and purged. For units that have a zero value for BUT\_UDUE\_RETENTION the current SCR\_CURRENT\_DATE will serve as the cutoff date.

### **Verification**

A SPUFI list displays the units, UDUET GTN's and UDUET Retention from the PPPBUT and PPPBUF tables.

A second SPUFI list displays the rows on the PPPDUE table prior to the purge.

A third SPUFI list displays the rows on the PPPDUE table after the purge.

Bargaining Unit BX GTN 377 has a retention of 61 months. The SCR-CURRENT-DATE is 03/01/2001. So the cutoff date is 02/01/96, which is displayed in the header. Confirm that all the BX rows with an effective date prior to the cutoff date were deleted.

Bargaining Unit IX GTN 163 has a retention of 25 months. The SCR-CURRENT-DATE is 03/01/2001. So the cutoff date is 02/01/99, which is displayed in the header. Most of the rows are prior to the cutoff and are purged. ID 444400087 has an effective date after the cutoff and does not appear on the report.

Bargaining Unit SX does not have retention, i.e. the retention value is currently zero. The SCR-CURRENT-DATE in this case is the cutoff date, which is displayed in the header. This describes a situation in which a unit has had retention, rows have been added to the PPPDUE table, and then retention is stopped via an update to the PPPBUT table. During the next purge all that unit's rows will be deleted. The row for ID 000000002 is purged.

None of the other UDUET GTN's appear on the PPPDUE table, so all those units show a zero count of UDUET's entries purged.

## **Employee Database Load (LOADEDDB2)**

### **Description**

This job reloads the EDB database.

### **Verification**

The new PPPDUE table is present in the \$\$LOAD, but this time the table contains data for subsequent tests.

## **Online Testing**

### **Description**

These steps test the Separation, Hire and Rehire logic online that has already been tested in the batch environment in RUNFM. The batch transactions can be used to indicate dates to be used and Title Codes relating to the bargaining units.

The controlling factors are the Effective Date on the PPPDUE row, the Hire Date, the Appointment TUC, and the Union Due Retention Period for the bargaining unit and GTN. If the break in service between the Effective Date (which originates from a Separation Date) and Hire Date exceeds the Union Due Retention Period then the GTN will not be re-instated. If the employee does not have a current or future appointment with a TUC that matches the bargaining unit for which the PPPDUE GTN is the Union Due GTN, then it will not be re-instated.

For those cases in which an appointment exists for the bargaining unit but the retention period has been exceeded and the union due is therefore not re-instated, an Agency Fee GTN should be established in place of the missing union due.

### **Verification**

#### **Separation**

Use the ESEP function to repeat the Separation test.

After the update, use the IGTN screen to confirm that the GTN 163 G-balance still exists. Previously it would have been converted to a U-balance.

#### **New Hires**

Use the HIRE bundle to repeat the batch Hire tests.

After the update, use the IGTN screen to confirm the re-instatement, or not, of IX GTN 163 or BX GTN 377 union dues, as appropriate.

#### **Rehires**

Use the RHIR bundle to repeat the batch Rehire tests.

After the update, use the IGTN screen to confirm the re-instatement, or not, of IX GTN 163 or BX GTN 377 union dues, as appropriate