RELEASE 1338

Service Request 15217
120-Day Break in Service

Test Plan

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Testing Overview

This test plan addresses the job runs and test cases constructed to verify the correct installation of this release.

The test plan is made up of the following components.

1. Control Database Load (LOADCTL)
2. Employee Database Load (LOADEDB)
3. EDB Database Record Display (RUN250A)
4. One-Time Derivation of Limited Hours As of Date (PPOT1338)
5. Monthly Periodic Maintenance (RUN130M)
6. Employee Database Load (LOADEDB2)
7. EDB Database Record Display (RUN250B)
8. EDB Daily Process (RUN130D)
9. Online Testing: Screen changes and Helptext
10. Online Testing: Hires and Rehires
11. EDB ID Change (RUN040)
Control Database Load (LOADCTL)

Description

This job loads the DB2 CTL database.

Verification

Ensure that the DB2 CTL has been successfully restored by verifying normal completion of the job and ensuring that all tables have been successfully loaded into the Database.

The members in PDS UDB2CTL already reflect the PPPDES and PPPDET data updates applied as part of this release.
Employee Database Load (LOADEDB)

Description

This job loads the EDB database.

Verification

Ensure that the DB2 EDB has been successfully restored by verifying normal completion of the job and ensuring that all tables have been successfully loaded into the database.

The member PPPPER in PDS UDB2EDB already reflects the DDL update applied as part of this release.
EDB Database Record Display (RUN250A)

Description
This job displays the test data on the EDB.

Verification
Ensure that the job ran to successful conclusion and printed the PPP2501 report. At this point the new Limited Hours As of Date (DE 0427) is an initial value so it will not appear as a displayed data element.
One-Time Derivation of Limited Hours As of Date (PPOT1338)

Description

This job establishes the initial value of Limited Hours As of Date. "Stub" records, i.e. those with all asterisks in the Employee Name, are excluded. All other employees on the EDB, regardless of Employment Status, are updated.

If the employee's Hire Date is equal to or less than 01/01/2001, the Limited Hours As of Date will be set to 01/01/2001.

If the employee's Hire Date is greater than 01/01/2001, then Hours on Pay Status (DE 5120 through DE 5131) are selected from the PPPPCM table, and loaded into the array. The array is processed to identify the earliest "effective date" of an Hour on Pay Status month with hours greater than zero that is January 2001 or later. If that month is earlier than the Hire Date, that month's effective date is moved to Limited Hours As of Date. If that month is the same month as the Hire Date, the Hire Date is moved to Limited Hours as of Date. If there are no Hours on Pay Status greater than zero, then the Hire Date is moved to Limited Hours As of Date.

Verification

SPUFI in BATCHSQ1 sets all Limited Hours As of Dates to '0001-01-01'. This allows the job to be rerun without an EDB reload.

A SPUFI update of the SCR-CURRENT-DATE to 10/01/2001 occurs in step BATCHSQ2. Confirm.

NOTE: variations on this date can be tried to confirm that the results are as expected for various values of that date. Base testing was done with all SCR-CURRENT-DATE's from 02/01/2000 through 01/31/2002.

A SPUFI list in step BATCHSQ3 displays the Hire Date and Hours on Pay Status.

Check ID's 777000001 through 777000012, the main test cases. They have as their earliest Hours on Pay Status greater than zero, January through December respectively. All but 777000009 have a Hire Date of 2001-12-02. 777000009 has a Hire Date of 09/02/2001. All have a Limited Hours As of Date of '01/01/0001'..

PPOT1338 can be run in no-update and update mode. The PPP1800 report should be the same in either case. However the SPUFI list in step BATCHSQ4 of the results after PPOT1338 in non-update mode should not show any update of the Limited Hours As of Date column in non-update mode. The released example, and what is discussed here, is PPOT1338 run in update mode.
The OT13381 report is a simple audit report. It should display two messages:
THE EDB WILL BE UPDATED
NUMBER OF PER ROWS UPDATED                  343

Note that there are actually 344 rows on the PPPPER table. However, the PPP2501 report from RUN250A can be used to confirm that ID 000050009 is a "stub" record, and thus it was not selected by PPOT1338.

The PPP1800 report also should contain 343 entries for an update to data element 0427 Limited Hours As of Date. Since almost all ID's have a Hire Date prior to 01/01/2001, their Limited Hours As of Date has been set to 01/01/2001. Their are some exceptions.

777000044 has a Hire Date of 02/28/2001 and no Hours on Pay Status in January, the only month prior to the month of its Hire Date. It does have Hours on Pay Status for February, but since that is the same month as the Hire Date, the Hire Date is used for the Limited Hours As of Date.

777000001 has a Hire Date of 12/02/2001, but its earliest Hours on Pay Status for 2001 is in January so the Limited Hours As of Date is set to 01/01/2001.

777000002 has a Hire Date of 12/02/2001, but its earliest Hours on Pay Status for 2001 is in February so the Limited Hours As of Date is set to 02/01/2001.

777000003 has a Hire Date of 12/02/2001, but its earliest Hours on Pay Status for 2001 is in March so the Limited Hours As of Date is set to 03/01/2001.

777000004 has a Hire Date of 12/02/2001, but its earliest Hours on Pay Status for 2001 is in April so the Limited Hours As of Date is set to 04/01/2001.

777000005 has a Hire Date of 12/02/2001, but its earliest Hours on Pay Status for 2001 is in May so the Limited Hours As of Date is set to 05/01/2001.

777000006 has a Hire Date of 12/02/2001, but its earliest Hours on Pay Status for 2001 is in June so the Limited Hours As of Date is set to 06/01/2001.

777000007 has a Hire Date of 12/02/2001, but its earliest Hours on Pay Status for 2001 is in July so the Limited Hours As of Date is set to 07/01/2001.

777000008 has a Hire Date of 12/02/2001, but its earliest Hours on Pay Status for 2001 is in August so the Limited Hours As of Date is set to 08/01/2001.
777000009 has a Hire Date of 09/02/2001, and its earliest Hours on Pay Status for 2001 is also in September so the Limited Hours As of Date is set to the Hire Date 09/02/2001 rather than the default 09/01/2001.

777000010 has a Hire Date of 12/02/2001, but its earliest Hours on Pay Status is in October. However, the SCR Current Date is 10/01/2001 so the October bucket is assumed to represent October 2000 hours. Since there are no prior Hours on Pay Status in 2001, the Limited Hours As of Date is set to the Hire Date 12/02/2001.

777000011 has a Hire Date of 12/02/2001, but its earliest Hours on Pay Status is in November. However, the SCR Current Date is 10/01/2001 so the November bucket is assumed to represent November 2000 hours. Since there are no prior Hours on Pay Status in 2001, the Limited Hours As of Date is set to the Hire Date 12/02/2001.

777000012 has a Hire Date of 12/02/2001, but its earliest Hours on Pay Status is in December. However, the SCR Current Date is 10/01/2001 so the December bucket is assumed to represent December 2000 hours. Since there are no prior Hours on Pay Status in 2001, the Limited Hours As of Date is set to the Hire Date 12/02/2001.

A SPUFI list in step BATCHSQ4 displays the Hire Date and updated Limited Hours As of Date. The results should match the PPP1800 data when PPOT1338 is run in update mode.
Monthly Periodic Maintenance (RUN130M)

Description

This job executes PPP130 for monthly processing to begin November after the one-time updates by PPOT1338. It performs the process of rolling the hour buckets for Hours Toward Career Status Eligibility, and the modified process for calculating Total Hours Toward Career Status Eligibility based on Limited Hours As of Date. PPP180 reads the EDB Change File (ECF) created by PPP130 and produces the PPP1800 Data Base Audit Register report. PPP139 reads the file of ID's achieving or nearing sufficient Total Hours Toward Career Status Eligibility and reports them.

Verification

The first SPUFI updates the Limited Hours As of Date for ID 777000012 to 01/01/0001. This emulates an online ECEN update that could occur.

The second SPUFI lists the Limited Hours As of Date and the Hours Toward Career Status Eligibility for test cases 777000001 through 7770000012 prior to the run of PPP130. This should reflect the Limited Hours As of Dates from PPOT1338, with the adjustment made above in the first SPUFI step.

The PPP130 update, using the modified PPEM005 calculation logic based on Limited Hours As of date, calculates new Total Hours Toward Career Status Eligibility.

The PPP1800 report should display the change to the Total Hours Toward Career Status Eligibility (DE 0426), and also the change to Current Hours Toward Career Status (now zero) and October Hours Toward Career Status (the previous value of Current Hours Toward Career Status).

The last SPUFI list shows the HRS_CAR_ELIG_TOT, which should match the new value displayed for DE 0426 on the PPP1800 report.

Confirm that the totals correctly reflect the months' Hours Toward Career Status as they relate to each employee's Limited Hours As of Date.

Examples:

777000001
PPOT1338 set the Limited Hours As of Date to 01/01/2001. PPP130 was beginning November 2001, so hours from January through October should be included.

10.01 + 20.01 + 30.01 + 40.01 + 50.01 + 60.01 + 70.01 + 80.01 + 90.01 + .01 = 450.10.
PPOT1338 set the Limited Hours As of Date to 02/01/2001. PPP130 was beginning November 2001, so hours from February through October should be included.

$$120.02 + 130.02 + 140.02 + 150.02 + 160.02 + 170.02 + 80.02 + 90.02 + .02 = 1040.18$$

This should also trigger PPP139 reporting.

And so on for 777000003 through 777000009, each having a Limited Hours As of Date one month later, and thus including one less month in the total.

777000010 and 777000011
PPOT1338 set the Limited Hours As of Date to the future Hire Date of 12/02/2001. PPP130 was beginning November 2001, so there are no "prior" hours, and the total is zero.

777000012
PPOT1338 set the Limited Hours As of Date to the future Hire Date of 12/02/2001. However the first SPUFI step in this job changed the date to 01/01/0001, emulating an update online via the ECEN function. PPP130 was beginning November 2001, so hours from January through October should be included.

$$110.12 + 120.12 + 130.12 + 140.12 + 150.12 + 160.12 + 70.12 + 80.12 + 90.12 + .12 + 110.12 + 120.12 = 1281.44$$

**NOTE:** In this test case the November and December hours will be included in the total since they are "later" than the initial value date. In production reality, there will not be any Hours Toward Career Status in months prior to January 2001 since updates are restricted in the Compute to January 2001 and later.

Another SPUFI lists the appointments for these test cases. ID's 777000002, 777000003, 777000004 and 777000012 all have Appointment Type 3, and thus are eligible for reporting on the PPP139 reports.

PPP1392 shows Employees With 1000 Hours Toward Career Status. ID's 777000002, 777000003 and 777000012 all have more than 1000 hours, and are reported. 777000012 demonstrates that a Central Office "correction" of a Limited Hours As of Date can result in the employee being reported as eligible for career status.

PPP1393 shows Employees Approaching 1000 Hours Toward Career Status. ID 777000004 has 790.28 hours, which is within the threshold limit, and is reported.
Employee Database Second Load (LOADEDDB2)

Description

This job loads the EDB database.

Verification

Ensure that the DB2 EDB has been successfully restored by verifying normal completion of the job and ensuring that all tables have been successfully loaded into the database.

Use SPUFI to confirm that the SCR_CURRENT_DATE is 03/01/2001 and the SCR_DAILY_RUN_DATE is 03/07/2001. Hire Dates between that date and today's date will be selected for processing during the EDB Daily Process.
EDB Database Record Display (RUN250B)

Description

This job displays the test data on the EDB for ID's that will test the EDB Daily Process.

Verification

Ensure that the job ran to successful conclusion and printed the PPP2501 report. On this EDB the new Limited Hours As of Date (DE 0427) have been processed through PPOT1338, and therefore should appear on the report.
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**EDB Daily Process (RUN130D)**

**Description**

This job executes PPP130 for the EDB Daily Process. Since the SCR_DAILY_RUN_DATE is 03/07/2001, Hire Dates between that date and today's date will be selected for processing during the EDB Daily Process.

**Verification**

The test cases all have 03/09/2001 Hire Dates, with various Separation Dates. They all have a Limited Hours As of Date of 01/01/2001. Those with a 120 day break in service should have the Limited Hours As of Date set to the Hire Date. The Limited Hours As of Date for those with less than 120 break in service should not change.

777000021  
Hire Date is 03/09/2001. Separation date is 12/31/2000. The break in service is less than 120 days. The Limited Hours As of date should remain 01/01/2001.

777000022  
Hire Date is 03/09/2001. Separation date is 12/31/2000. The break in service is less than 120 days. The Limited Hours As of date should remain 01/01/2001.

777000024  
Hire Date is 03/09/2001. Separation date is 10/31/2000. The break in service is greater than 120 days. The Limited Hours As of date should be reset to 03/09/2001.

777000025  
Hire Date is 03/09/2001. Separation date is 11/08/2000. The break in service is exactly 120 days. The Limited Hours As of date should be reset to 03/09/2001.

777000026  
Hire Date is 03/09/2001. Separation date is 11/02/2000. The break in service is exactly 119 days. The Limited Hours As of date should remain 01/01/2001.

777000027  
Hire Date is 03/09/2001. Separation date is 12/31/2000. The break in service is less than 120 days. The Limited Hours As of date should remain 01/01/2001.

777000029  
Hire Date is 03/09/2001. Separation date is 10/31/2000. The break in service is greater than 120 days. The Limited Hours As of date should be reset to 03/09/2001.
Hire Date is 03/09/2001. Separation date is 10/31/2000. The break in service is greater than 120 days. The Limited Hours As of date should be reset to 03/09/2001.

Hire Date is 03/09/2001. Separation date is 12/31/2000. The break in service is less than 120 days. The Limited Hours As of date should remain 01/01/2001.


Online Testing: Screen Changes and HelpText

**Description**

Use the online EDB Inquiry IHR2 function and EDB Entry/Update ECEN function to verify screen changes, including HelpText.

**Verification**

Logon to the Online Applications Main Menu.

**ECEN Function**

Enter the ECEN function with any ID. Confirm the label and data field for Limited Hours As of Date are displayed. The label reads: "Limited Hours as of Date: ". The date should be the value derived by PPOT1338 in MMDDYY format. Confirm that the field is updateable by moving the cursor to the field.

Enter an invalid date value, and press PF5 for update. You should get the message: P0601 Field out of range or illegal value

Enter a valid date value, and press PF5 for update. You should get the message: U0007 Update process complete

Access Help from the label and data field to confirm that Data Element 0427 field level Help text was correctly loaded and anchored to this screen.

**IHR2 Function**

Enter the IHR2 function for the same ID. Confirm the label and data field for Limited Hours As of Date are displayed, and that the updated value from the ECEN test is displayed in MM/DD/YY format. The label reads: " As of Date for Counting Hours: ".

Access Help from the label and data field to confirm that Data Element 0427 field level Help text was correctly loaded and anchored to this screen.

Access Help from the Hours Toward Career Status Eligibility Current Month label or data field to confirm that Data Element 5156 field level Help text was correctly loaded and no longer is truncated when displayed.

Access screen level Help to confirm the modified screen level help EDBHIHR2 was correctly loaded and the final period now appears.
Online Testing: Hires and Rehires

Description

Use the online EDB Entry/Update HIRE and RHIR bundles to verify derivation, or not, of Limited Hours As of Date.

Verification

Logon to the Online Applications Main Menu.

Hire function:
Hire several employee using past, current and future (as it relates to today’s date in real time) Hire Dates. Use the IHR2 or ECEN functions to confirm the results. The Limited Hours As of Date should equal the Hire date in all instances.

Rehire function:
Rehire 777000001 using a future (as it relates to today’s date in real time) Hire Date and a more than 120 break in service (Hire Date - Separation Date > 120). Confirm that the Limited Hours As of Date was not updated.

Rehire 777000002 using a current or past (as it relates to today’s date in real time) Hire Date and a more than 120 break in service (Hire Date - Separation Date > 120). Confirm that the Limited Hours As of Date was updated to the Hire Date.

Rehire 777000003 using a current or past (as it relates to today’s date in real time) Hire Date and not a 120 break in service (Hire Date - Separation Date <= 120). Confirm that the Limited Hours As of Date was not updated.
EDB ID Change (RUN040)

Description

This job executes PPP040, which in turn calls PPKEYCHD to perform an ID change. ID 777000001 is being changed to 777999001. Limited Hours As of Date should be moved correctly to the new ID.

Verification

Confirm the initial PPP2501 report displays Limited Hours As of Date (DE 0427) of 01/01/2001 for ID 777000001. ID 777999001 should not exist.

Confirm that the PPP040 step ran to successful completion and that the PPP0401 report shows that the transaction was accepted.

Confirm the subsequent PPP2501 report displays Limited Hours As of Date (DE 0427) of 01/01/2001 for ID 777999001. ID 777000001 should only show "stub" data.