

**Test Plan**  
**RELEASE 1488**

**Union Reporting Changes**

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## **Testing Overview**

This test plan addresses the test runs and cases constructed to verify the correct installation of Release 1488. The test is made up of the following components:

1. Control Table Data Base (CTL) Initial Load (LOADCTL)
2. Employee Data Base (EDB) Initial Load (LOADEDDB)
3. One-time Conversion of History File (PPOT1488)
4. Weekly Union Reporting Process (RUN770WK)
5. Employee Data Base (EDB) Load (LOADEDDB2)
6. Monthly Union Reporting Process (RUN770MT)
7. Weekly Union Reporting Process (RUN770XX)

## **CONTROL TABLE (CTL) INITIAL 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 data base. The members in PDS UDB2CTL already reflect the updates applied to the DB2 Control tables.

## **EMPLOYEE DATA BASE (EDB) INITIAL LOAD (LOADEDDB)**

### **Description**

This job loads the EDB database.

### **Verification**

In order to assure successful completion of this job, verify that the EDB has been successfully restored by verifying normal completion of the job and ensuring that all tables have been successfully loaded into the data base.

## **One-time Conversion of History File (PPOT1488)**

### **Description**

This job converts the old Union History File to the new Union History File format. The new record length for the Union History record has been expanded to 984.

### **Verification**

COMPAREX is used to compare the data on the converted History Union File to the data on the old History Union File. Campuses can use similar utility to compare data on the two History Union Files.

COMPAREX is run twice. The first pass compares the data on the old History File in columns 1 through 418 to the data in columns through 418 of the expanded History Union File. The second pass compares the data on the old History Union File in columns 419 through 514 to the data in columns 444 through 541 of the expanded History Union File. Note that the block of START data in columns 419 through 443 on the expanded Union History File are skipped during comparison of the two files.

Verify that a return code of zero is returned from COMPAREX.

## Weekly Union Reporting Process (RUN770WK)

### Description

This job produces the Weekly Union Reporting File for the *last week* of the month of *April*.

The Specification record contains a run type option of 'WEEKLY' in columns 13 through 19. An input Employee History File is required for this run; a value of 'Y' is entered in column 12 of the Specification record.

### Verification

The test results are dependent upon the actual current date the job is run. Therefore, the actual current date must be manipulated via Xpediter in program PPP770. Test PPP770 using the following steps:

- 1) Compile PPP770 to provide a source listing for use by Xpediter, or other interactive tool.
- 2) Select option XP on the main TSO menu.
- 3) Select option 3.
- 4) Enter RUN770WK as the JCL member to execute and define PPP770 as the program you wish to test interactively.
- 5) In the PPP770 source put the STOP '**B**' in the following line located in section 10000-GENERAL-INITIALIZATION:

```
*****
*   Get today's date for date comparison against employee Hire   *
*   Dates, Separation Dates, and Appointment Begin dates.      *
*****
.
.
.
B   MOVE PRE-EDIT-DATE      TO XDC3-STD-DATE.
      PERFORM XDC3-CONVERT-STD-TO-ISO.
      MOVE XDC3-ISO-DATE TO WS-TODAYS-ISO-DATE.

      PERFORM XDC3-CONVERT-ISO-TO-LILIAN.
      SUBTRACT 60 FROM XDC3-LILIAN-DATE.
      PERFORM XDC3-CONVERT-LILIAN-TO-ISO.
```

- 6) Type **GO**, and hit ENTER.

- 7) Type **KEEP PRE-EDIT-DATE** on the command line, and change the current date to **030428 (YYMMDD) (April 28, 2003)**.
- 8) Type **GO**, and hit ENTER.
- 9) TYPE **EXIT** when execution has stopped.

Verify that the following records contain the changed data in the *Employee Activity File (UNFACTWK)*:

- **Record 4 Employee ID 11111112 (EMPLOYEE, TEST12)**

Position 1 contains a Record Type of 'C'.

Positions 19 through 32 contain a description of 'OTHER CHANGE'.

Positions 426 through 427 contain value of '20' (START Percent).

Positions 429 through 438 contain value of '2003-06-01' (START Begin Date).

Positions 440 through 449 contain value of '2003-12-31' (START End Date).

The old Employee History record from the previous run contained a value of blank in position 419 through 420 (START Percent), blank in positions 422 through 431 (START Begin Date), and blank in positions 433 through 442 (START End Date).

- **Record 5 Employee ID 11111113 (EMPLOYEE, TEST13)**

Position 1 contains a Record Type of 'C'.

Positions 19 through 32 contain a description of 'OTHER CHANGE'.

Positions 426 through 427 contain value of '10' (START Percent).

Positions 429 through 438 contain value of '2003-06-15' (START Begin Date).

Positions 440 through 449 contain value of '2005-06-30' (START End Date).

The old Employee History record from the previous run contained a value of blank in position 419 through 420 (START Percent), blank in positions 422 through 431 (START Begin Date), and blank in positions 433 through 442 (START End Date).

- **Record 6 Employee ID 11111114 (EMPLOYEE, TEST14)**

Position 1 contains a Record Type of 'C'.

Positions 19 through 32 contain a description of 'OTHER CHANGE'.

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Positions 426 through 427 contain value of '10' (START Percent).

Positions 429 through 438 contain value of '2003-06-01' (START Begin Date).

Positions 440 through 449 contain value of '2003-12-31' (START End Date).

The old Employee History record from the previous run contained a value of blank in position 419 through 420 (START Percent), blank in positions 422 through 431 (START Begin Date), and blank in positions 433 through 442 (START End Date).

- **Record 46 Employee ID 000050040 (BEAR, TED E.)**

Position 1 contains a Record Type of 'C'.

Positions 19 through 32 contain a description of 'OTHER CHANGE'.

Positions 426 through 427 contain value of '20' (START Percent).

Positions 429 through 438 contain value of '2003-06-01' (START Begin Date).

Positions 440 through 449 contain value of '2003-12-31' (START End Date).

The old Employee History record from the previous run contained a value of blank in position 419 through 420 (START Percent), blank in positions 422 through 431 (START Begin Date), and blank in positions 433 through 442 (START End Date).

Verify that the following records contain the changed data in the updated *Employee History File (UNHISWK)*:

- **Record 5 Employee ID 11111112 (EMPLOYEE, TEST12)**

Positions 419 through 420 contain value of '20' (START Percent).

Positions 422 through 431 contain value of '2003-06-01' (START Begin Date).

Positions 433 through 442 contain value of '2003-12-31' (START End Date).

The old Employee History record from the previous run contained a value of blank in position 419 through 420 (START Percent), blank in positions 422 through 431 (START Begin Date), and blank in positions 433 through 442 (START End Date).

- **Record 6 Employee ID 11111113 (EMPLOYEE, TEST13)**

Positions 419 through 420 contain value of '10' (START Percent).

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Positions 422 through 431 contain value of '2003-06-15' (START Begin Date).

Positions 433 through 442 contain value of '2005-06-30' (START End Date).

The old Employee History record from the previous run contained a value of blank in position 419 through 420 (START Percent), blank in positions 422 through 431 (START Begin Date), and blank in positions 433 through 442 (START End Date).

- **Record 7 Employee ID 11111114 (EMPLOYEE, TEST14)**

Positions 419 through 420 contain value of '10' (START Percent).

Positions 422 through 431 contain value of '2003-06-01' (START Begin Date).

Positions 433 through 442 contain value of '2003-12-31' (START End Date).

The old Employee History record from the previous run contained a value of blank in position 419 through 420 (START Percent), blank in positions 422 through 431 (START Begin Date), and blank in positions 433 through 442 (START End Date).

- **Record 152 Employee ID 000050040 (BEAR, TED E.)**

Positions 419 through 420 contain value of '10' (START Percent).

Positions 422 through 431 contain value of '2003-06-01' (START Begin Date).

Positions 433 through 442 contain value of '2003-12-31' (START End Date).

The old Employee History record from the previous run contained a value of blank in position 419 through 420 (START Percent), blank in positions 422 through 431 (START Begin Date), and blank in positions 433 through 442 (START End Date).

## **EMPLOYEE DATA BASE (EDB) LOAD (LOADEDDB2)**

### **Description**

This job loads the EDB database for testing the Monthly Union Reporting Process.

### **Verification**

In order to assure successful completion of this job, verify that the EDB has been successfully restored by verifying normal completion of the job and ensuring that all tables have been successfully loaded into the data base.

## Monthly Union Reporting Process (RUN770MT)

### Description

This job produces the Monthly Union Reporting File for the *first week* of the new month *May*.

The Specification record contains a run type option of 'MONTHLY' in columns 13 through 19. An input Employee History File is required for this run; a value of 'Y' is entered in column 12 of the Specification record.

### Verification

The test results are dependent upon the actual current date the job is run. Therefore, the actual current date must be manipulated via Xpediter in program PPP770. Test PPP770 using the following steps:

- 1) Select option XP on the main TSO menu.
- 2) Select option 3.
- 3) Enter RUN770MT as the JCL member to execute and define PPP770 as the program you wish to test interactively.
- 4) In the PPP770 source put the STOP '**B**' in the following line located in section 10000-GENERAL-INITIALIZATION:

```
*****
*   Get today's date for date comparison against employee Hire   *
*   Dates, Separation Dates, and Appointment Begin dates.      *
*****
.
.
.
B  MOVE PRE-EDIT-DATE      TO XDC3-STD-DATE.
      PERFORM XDC3-CONVERT-STD-TO-ISO.
      MOVE XDC3-ISO-DATE TO WS-TODAYS-ISO-DATE.

      PERFORM XDC3-CONVERT-ISO-TO-LILIAN.
      SUBTRACT 60 FROM XDC3-LILIAN-DATE.
      PERFORM XDC3-CONVERT-LILIAN-TO-ISO.
```

- 5) Type **GO**, and hit ENTER.
- 6) Type **KEEP PRE-EDIT-DATE** on the command line, and change the current date to **030505 (May 5, 2003)**.

- 7) Type **GO**, and hit ENTER.
- 8) TYPE **EXIT** when execution has stopped.

Verify that the following records contain the changed data in the Monthly *Employee Activity File (UNFACTMT)*:

Note that full data are recorded on the Employee Activity File for Record Type 'C' (column 1).

- **Record 7 Employee ID 11111112 (EMPLOYEE, TEST12)**

Position 1 contains a Record Type of 'C'.

Positions 19 through 32 contain a description of 'OTHER CHANGE'.

Positions 426 through 427 contain value of '15' (START Percent) (*Data has changed*).

Positions 429 through 438 contain value of '2003-06-01' (START Begin Date) (*Data has not changed*).

Positions 440 through 449 contain value of '2003-12-31' (START End Date) (*Data has not changed*).

The old Employee History record from the previous run contained a value of 20 in position 419 through 420 (START Percent), a value of 2003-06-01 in positions 422 through 431 (START Begin Date), and a value of 2003-12-31 in positions 433 through 442 (START End Date).

- **Record 8 Employee ID 11111113 (EMPLOYEE, TEST13)**

Position 1 contains a Record Type of 'C'.

Positions 19 through 32 contain a description of 'OTHER CHANGE'.

Positions 426 through 427 contain value of '10' (START Percent) (*Data has not changed*).

Positions 429 through 438 contain value of '2003-06-15' (START Begin Date) (*Data has not changed*).

Positions 440 through 449 contain value of '2003-12-31' (START End Date) (*Data has changed*).

The old Employee History record from the previous run contained a value of 10 in position 419 through 420 (START Percent), a value of 2003-06-15 in positions 422 through 431 (START Begin Date), and a value of 2005-06-30 in positions 433 through 442 (START End Date).

- **Record 9 Employee ID 11111114 (EMPLOYEE, TEST14)**

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Position 1 contains a Record Type of 'C'.

Positions 19 through 32 contain a description of 'OTHER CHANGE'.

Positions 426 through 427 contain value of '10' (START Percent) (*Data has not changed*).

Positions 429 through 438 contain value of '2003-07-01' (START Begin Date) (*Data has changed*).

Positions 440 through 449 contain value of '2003-12-31' (START End Date) (*Data has not changed*).

The old Employee History record from the previous run contained a value of 10 in position 419 through 420 (START Percent), a value of 2003-06-01 in positions 422 through 431 (START Begin Date), and a value of '2003-12-31' in positions 433 through 442 (START End Date).

- **Record 166 Employee ID 000050040 (BEAR, CLEAVER)**

Position 1 contains a Record Type of 'C'.

Positions 19 through 32 contain a description of 'OTHER CHANGE'.

Positions 33 through 58 contain a value of 'BEAR, CLEAVER' (Employee Name).

Positions 65 through 94 contain a value of '2039 MARTIN AVE. #105' (Address Line 1).

Positions 426 through 427 contain value of '10' (START Percent) (*Data has changed*).

Positions 429 through 438 contain value of '2003-06-01' (START Begin Date) (*Data has not changed*).

Positions 440 through 449 contain value of '2003-09-30' (START End Date) (*Data has changed*).

The old Employee History record from the previous run contained a value of 'BEAR, TED D.' in position 19 through 51, a value of '2039 SHATTUCK AVE. #205' in positions 58 through 87, a value of 20 in position 419 through 420 (START Percent), a value of 2003-06-01 in positions 422 through 431 (START Begin Date), and a value of '2003-12-31' in positions 433 through 442 (START End Date).

Verify that the following records contain the changed data in the updated *Employee History File (UNHISMT)*:

- **Record 5 Employee ID 111111112 (EMPLOYEE, TEST12)**

Positions 419 through 420 contain value of '15' (START Percent).

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The old Employee History record from the previous run contained a value of 20 in position 419 through 420 (START Percent).

- **Record 6 Employee ID 11111113 (EMPLOYEE, TEST13)**

Positions 433 through 442 contain value of '2003-12-31' (START End Date).

The old Employee History record from the previous run contained a value of 2005-06-01 in positions 433 through 442 (START End Date).

- **Record 7 Employee ID 11111114 (EMPLOYEE, TEST14)**

Positions 422 through 431 contain value of '2003-07-01' (START Begin Date).

The old Employee History record from the previous run contained a value of 2003-06-01 positions 422 through 431 (START Begin Date).

- **Record 152 Employee ID 000050040 (BEAR, CLEAVER.)**

Positions 21 through 51 contain a value of 'BEAR, CLEAVER' (Employee Name).

Positions 58 through 87 contain a value of '2039 MARTIN AVE. #105' (Address Line 1).

Positions 419 through 420 contain value of '10' (START Percent).

Positions 433 through 442 contain value of '2003-09-30' (START End Date).

The old Employee History record from the previous run contained a value of 'BEAR, TED D.' in positions 26 through 51, a value of 20 in position 419 through 420 (START Percent), a value of 2003-06-01 in positions 422 through 431 (START Begin Date), and a value of '2003-12-31' in positions 433 through 442 (START End Date).

## **Weekly Union Reporting Process (RUN770XX)**

### **Description**

This job produces the Weekly Union Reporting File. Using the same EDB data from the Monthly Union Reporting run, this job is run to show only the actual changed data on the Weekly Union Reporting File.

The Specification record contains a run type option of 'WEEKLY' in columns 13 through 19. An input Employee History File is required for this run; a value of 'Y' is entered in column 12 of the Specification record.

### **Verification**

Verify the data on the Weekly Union Reporting File for the following Employee ID:

Verify that the following records contain the changed data in the Weekly *Employee Activity File* (UNFACTXX):

- **Record 4 Employee ID 11111112 (EMPLOYEE, TEST12)**

Position 1 contains a Record Type of 'C'.

Positions 19 through 32 contain a description of 'OTHER CHANGE'.

Positions 426 through 427 contain value of '15' (START Percent) (*Data has changed*).

- **Record 5 Employee ID 11111113 (EMPLOYEE, TEST13)**

Position 1 contains a Record Type of 'C'.

Positions 19 through 32 contain a description of 'OTHER CHANGE'.

Positions 440 through 449 contain value of '2003-12-31' (START End Date) (*Data has changed*).

- **Record 6 Employee ID 11111114 (EMPLOYEE, TEST14)**

Position 1 contains a Record Type of 'C'.

Positions 19 through 32 contain a description of 'OTHER CHANGE'.

Positions 429 through 438 contain value of '2003-07-01' (START Begin Date) (*Data has changed*).

- **Record 166 Employee ID 000050040 (BEAR, CLEAVER)**

Position 1 contains a Record Type of 'C'.

Positions 19 through 32 contain a description of 'OTHER CHANGE'.

Positions 33 through 58 contain a value of 'BEAR, CLEAVER' (Employee Name).

Positions 65 through 94 contain a value of '2039 MARTIN AVE. #105' (Address Line 1).

Positions 426 through 427 contain value of '10' (START Percent) (*Data has changed*).

Positions 429 through 438 contain value of '2003-06-01' (START Begin Date) (*Data has changed*).

Positions 440 through 449 contain value of '2003-09-30' (START End Date) (*Data has changed*).