

**Test Plan
Release 1647**

Salary Rate Limitation

June 6, 2005
Enterprise IT Services
Information Resources and Computing
Office of the President
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Batch Testing Overview

This test plan addresses the test runs and cases constructed to verify the correct installation of Release 1647. The batch portion 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. EDB File Maintenance (RUNFM)

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. These CTL transaction updates reflect the following CARDLIB members: ARTTEST, FNDTEST, DETPROD, PGTPROD, RTDPROD, and MSGPROD. The CTL tables as updated are shown for reference purposes in the following REPORTS members: ART, FND, DET, PGT, RTD, and MSG.

Note that a minor change to PPCTARTE was made for this release. Module PPCTARTE is called by PPP004 during Control File Maintenance in order to perform Assessment Rate Table transaction edits. It has been modified to allow the Benefit Assessment Type to be any non-blank alphabetic value. Previously, only values "IAP", "GAL" or "EPL" were valid. This modification allows the new Benefit Assessment Type "CAP" (used for the functionality of this release) to be properly applied to the table. Without the modification to PPCTARTE, these updates would be rejected. Therefore, as a final area of test, the ART table should be updated with the new Benefit Assessment Type "CAP" to verify proper installation.

Employee Data Base (EDB) Initial Load (LOADEDDB)

Description

This job loads the EDB database for the File Maintenance run.

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.

EDB File Maintenance (RUNFM)

Description

This job runs an EDB File Maintenance process. The intent is to verify the new Salary Cap consistency edit process which occurs via the PPP080 edit modules and is reflected on the error display created by PPP100 (which is run immediately after PPP080).

Verification

In order to assure successful completion of this job, verify all SYSOUT run listings contained in the REPORTS dataset.

The following files are available for comparison:

File Name	Created by
ACTIVITY	PPP050
NEWACT1	PPP080
ERROR1	PPP080
ECF120	PPP120
ERROR2	PPP120

Examine the PPP1001 report created by PPP100 after the execution of PPP080 (note that PPP100 is also executed after PPP120, so make sure you are examining the correct report). Note the following employees:

- Employee ID “801123001” – This employee had a full new hire transaction set which included two appointments:
 1. Appointment Number 10 (Title Code 4621) is an “MO” Pay Schedule with a blank Basis/Paid Over. The associated Distribution has a Pay Rate of 14,324.00 and an FAU of “3427701 66990 1”. For the Salary Cap edit, the Fund ‘66990’ was used to search the Fund Group table for Grouping Definition “SALRYCAP” and a match was made for Group Code ‘NIHC’. Using the Benefit Assessment Type “CAP”, Assessment Rate Code “NIHC” (as per returned Group Code) and Search Date of 4/30/05, a search of the Assessment Rate Table (ART) was made to determine maximum rate in effect for the Fund. The highest date match found which was not in advance of the Search Date indicates a Rate of .171900 (i.e., disregarding the decimal positions, this represents an annual rate limit of 171,900). When this amount is divided by 12 months, the result is a monthly cap of 14,325.00. Therefore, the entered distribution Pay Rate of 14,324.00 is less than the cap amount so NO Salary Cap consistency edit message is issued. Note that “4/30/05” was used as the ART Search Date because the Distribution would be active during the last day of the SCR Process Month (i.e., April 2005). If, however, the distribution was a future one such that the Distribution Begin Date was later than the last day of the process month, then, the Distribution Begin Date would be used as the ART Search Date.

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2. Appointment Number 20 (Title Code 1100) is an “MO” Pay Schedule with a “09/12” Basis/Paid Over. The associated Distribution Number 21 had a Pay Rate of 10,743.00 and an FAU of “3404901 66990 1”. For the Salary Cap edit, the Fund ‘66990’ was used to search the Fund Group table for Grouping Definition “SALRYCAP” and a match was made for Group Code ‘NIHC’. Using the Benefit Assessment Type “CAP”, Assessment Rate Code “NIHC” (as per returned Group Code) and Search Date of 4/30/05, a search of the Assessment Rate Table (ART) was made to determine maximum rate in effect for the Fund. The highest date match found which was not in advance of the Search Date indicates a Rate of .171900 (i.e., disregarding the decimal positions, this represents an annual rate limit of 171,900). When this amount is divided by 12 months, the result is a monthly cap of 14,325.00. Because of the “09/12” Basis/Paid Over, the calculated monthly cap must be factored by 9/12 which yields an adjusted monthly cap of 10,743.75; that is $14,325.00 \times 9 / 12$). Therefore, the entered distribution Pay Rate of 10,743.00 is less than the cap amount so NO Salary Cap consistency edit message is issued.
 3. Also with Appointment Number 20 (Title Code 1100) is Distribution Number 23 which has the same Fund value as Distribution Number 21 but a Pay Rate of 10,744.00 rather than 10,743.00. Accordingly, this Pay Rate exceeds the 10,743.75 limit (refer to calculation for Distribution Number 21) so message 08-648 (PAY RATE GREATER THAN ALLOWABLE CAP FOR FUND SOURCE) is issued and update for this employee is rejected.
- Employee ID “801123002” – This employee had a full new hire transaction set which included only one appointment (i.e., Appointment Number 10 with Title Code 4621). The associated Distribution has a Pay Rate of 3,078.00, an FAU of “3427701 65000 1” and a DOS of “BYA”. Since the DOS was an amount type of payment (i.e., no time/hours are associated), the Fund ‘65000’ was used to search the Fund Group table for Grouping Definition “SALRYCAP” and a match was made for Group Code ‘SAMH’. Since a “by Agreement” type DOS was entered for a Fund source requiring Salary Cap edits, warning message 08-649 was issued (BY AGREEMENT DOS NOT ALLOWED WITH CAPPED FUND SOURCE).

Online Testing

Test materials were not provided for the online test. In addition to those considerations identified in the batch portion (above), a modification was made to program PPWECON which provided a proper "ECON" screen display of the Distribution Pay Rate. To verify correct installation, trigger message 08-648 (PAY RATE GREATER THAN ALLOWABLE CAP FOR FUND SOURCE) and examine the display of the Pay Rate on the ECON screen. When the Appointment Rate Code is "H" (hourly), the rate should be properly displayed with four decimal places. Conversely, when the Appointment Rate Code is **not** "H" (i.e., pay period rate or by agreement amount), the rate should be properly displayed with two decimal places.