Test Plan
RELEASE 1758

Maximum OASDI Gross Limit Size Increase

March 6, 2007
08:00 AM
J. Quan

Information Resources and Communications
Office of the President
University of California
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<th>Page</th>
</tr>
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Testing Overview

This test plan addresses the test runs and cases constructed to verify the correct installation of Release 1758. 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. Periodic Monthly Maintenance (EDBMONTH)
4. Employee Data Base (EDB) Initial Load (LOADEDDB2)
5. MO Compute Process (CJAN07MO)
6. W-2 Process (RUN600)
7. Rush Checks
**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 database. The data in the members in PDS UDB2CTL already reflects the updates applied to the DB2 Control tables.
EMPLOYEE DATA BASE (EDB) INITIAL LOAD (LOADEDDB)

Description

This job loads the EDB database specifically for the Periodic Monthly Maintenance test.

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.
Periodic EDB Monthly Maintenance (EDBMONTH)

Description


This job tests the changes to module PPEM101. Module PPEM101 calculates the imputed income for the Executive Life Insurance Plan. The calculated imputed income is added to the employee’s YTD OASDI Gross, capped at **97,500.00**.

Verification

Verify the YTD OASDI Grosses (EDB 5503) in report PPP1800 for the Employee IDs listed in the following table:

<table>
<thead>
<tr>
<th>Employee ID</th>
<th>Current EDB Status</th>
<th>EDB Status After Periodic Monthly Maintenance to begin February</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>YTD FICA Gross (EDB5503)</td>
<td>YTD Executive Life Income (EDB 5518)</td>
</tr>
<tr>
<td>301000001</td>
<td>97,500.00</td>
<td>0.00</td>
</tr>
<tr>
<td>301000002</td>
<td>97,499.00</td>
<td>0.00</td>
</tr>
<tr>
<td>301000003</td>
<td>97,000.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

**Employee ID 301000001**

<table>
<thead>
<tr>
<th>ELEMENT NUMBER DESCRIPTION</th>
<th>PREVIOUS CONTENT</th>
<th>CURRENT CONTENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5518 EXEC. LIFE INC.</td>
<td>.00</td>
<td>55.20</td>
</tr>
</tbody>
</table>

**Employee ID 301000002**

<table>
<thead>
<tr>
<th>ELEMENT NUMBER DESCRIPTION</th>
<th>PREVIOUS CONTENT</th>
<th>CURRENT CONTENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5518 EXEC. LIFE INC.</td>
<td>.00</td>
<td>55.20</td>
</tr>
<tr>
<td>5503 FICA YTD GROSS</td>
<td>97499.00</td>
<td>97500.00</td>
</tr>
</tbody>
</table>

**Employee ID 301000003**
<table>
<thead>
<tr>
<th>NUMBER</th>
<th>DESCRIPTION</th>
<th>PREVIOUS CONTENT</th>
<th>CURRENT CONTENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5518</td>
<td>EXEC. LIFE INC.</td>
<td>.00</td>
<td>55.20</td>
</tr>
<tr>
<td>5503</td>
<td>FICA YTD GROSS</td>
<td>97000.00</td>
<td>97055.20</td>
</tr>
</tbody>
</table>
EMPLOYEE DATA BASE (EDB) INITIAL LOAD (LOADEDDB2)

Description

This job loads the EDB database specifically for the MO Compute test.

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.
MO Compute Process (CJAN07MO)

Description
This job processes the MO Compute with a Pay Period End Date of ‘013107’ (January 31, 2007).

Verification

Compare MO Compute output Files

At UCOP the MO compute was run using the unmodified modules and the Base Line output files saved from PPP390, PPP400, PPP420, including the final PAR File. Next, the MO compute is run again executing the modified programs, and the same output files are saved. Thus, the two sets of output files are compared using COMPAREX to verify that no differences are found between the two sets of output files. Campuses can compare the output files from the two MO computes using COMPAREX or another local tool or software, if desired.

The output PAR file produced from the Compute running with unmodified modules and output PAR file produced from the Compute running with modified modules were compared using COMPAREX.

Final PAR File:

PAYJXQ.RLSE.FNLPAR: Produced from modified programs.  
PAYJXQ.TST.FNLPAR.JN07MOX: Produced from unmodified programs.

SYSUT1=PAYJXQ.TST.FNLPAR.JN07MO  
DCB=(DSORG=PS,RECFM=VB,LRECL=369,  
VOL=SER=PR1025

SYSUT2=PAYJXQ.TST.FNLPAR.JN07MOX  
DCB=(DSORG=PS,RECFM=VB,LRECL=369,  
VOL=SER=PR1023

DATA,FORMAT=02  
(FORMAT EXPLANATION: FULL SYSUT1 FOLLOWED BY DIFFERING LINES OF SYSUT2)

SERENA COMPAREX (MVS - 8.4.3 - 2003/105) COMPARE SATURDAY MARCH 3, 2007

YJXQ.TST.FNLPAR.JN07MO, SYSUT2=PAYJXQ.TST.FNLPAR.JN07MOX

END OF DATA ON FILE SYSUT1

END OF DATA ON FILE SYSUT2

RECORDS PROCESSED: SYSUT1(18291)/SYSUT2(18291), DIFFERENCES(0)

TIME OF DAY AT END OF JOB: 15:54:09 - CONDITION CODE ON EXIT: 0

Surepay Advice Form:

If campuses are using the EDB data provided from this release, verify the Maximum OASDI Gross Limit displayed under the column of “COVERAGE” for the following employees:
Employee ID 301000004

This employee has already reached the OASDI Gross Limit 97,500 before the Compute is run. Thus, the maximum OASDI Gross Limit is not displayed.

<table>
<thead>
<tr>
<th>CURRENT EARNINGS/DED</th>
<th>CURRENT UNIV CONTRIBUTION</th>
<th>YEAR-TO-DATE EARNINGS/DED</th>
<th>DESCRIPTION</th>
<th>COVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>$10,000.00</td>
<td>$10,000.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>181.00</td>
<td>181.00</td>
<td>% of Gross less $19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>145.00</td>
<td>145.00</td>
<td>1.45% of Gross</td>
<td>No Limit</td>
<td></td>
</tr>
<tr>
<td>6,045.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2,213.08</td>
<td>2,213.08</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>709.39</td>
<td>709.39</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>48.00</td>
<td></td>
<td></td>
<td>Self</td>
<td></td>
</tr>
<tr>
<td>37.27</td>
<td></td>
<td></td>
<td>Delta Dental</td>
<td>Self</td>
</tr>
<tr>
<td>13.45</td>
<td></td>
<td></td>
<td>Vision Service</td>
<td>Self</td>
</tr>
<tr>
<td>$3,248.47</td>
<td>$9,293.47</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>$98.72</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>$6,751.53</td>
<td>$706.53</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Employee ID 301000005

This employee has not yet reached the maximum OASDI Gross Limit of 97,500.00. The employee’s YTD OASDI Gross before the Compute run is 97,499.00. The OASDI deduction is calculated as: 1.00 x 6.2% = 0.06. Note that the display of the Maximum OASDI Gross Limit of $97,500.00 has been moved to the right by one position to accommodate the display of the maximum OASDI Gross Limit of over $99,999.99.

<table>
<thead>
<tr>
<th>CURRENT EARNINGS/DED</th>
<th>CURRENT UNIV CONTRIBUTION</th>
<th>YEAR-TO-DATE EARNINGS/DED</th>
<th>DESCRIPTION</th>
<th>COVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>$10,000.00</td>
<td>$10,000.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>181.00</td>
<td>181.00</td>
<td>% of Gross less $19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>145.00</td>
<td>145.00</td>
<td>1.45% of Gross</td>
<td>No Limit</td>
<td></td>
</tr>
<tr>
<td>.06</td>
<td></td>
<td>6.2% of Gross</td>
<td>$97,500.00</td>
<td></td>
</tr>
<tr>
<td>2,213.08</td>
<td>2,213.08</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>709.39</td>
<td>709.39</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>48.00</td>
<td></td>
<td></td>
<td>Self</td>
<td></td>
</tr>
<tr>
<td>37.27</td>
<td></td>
<td></td>
<td>Delta Dental</td>
<td>Self</td>
</tr>
<tr>
<td>13.45</td>
<td></td>
<td></td>
<td>Vision Service</td>
<td>Self</td>
</tr>
<tr>
<td>$3,248.53</td>
<td>$9,293.47</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>$98.72</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>$6,751.47</td>
<td>$706.53</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Employee ID 301000006

This employee has not yet reached the maximum OASDI Gross Limit of 97,500.00. The employee’s YTD OASDI Gross before the Compute run is 97,000.00. The OASDI deduction is calculated as: 500.00 x 6.2% = 31.00.
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CURRENT EARNINGS/DED | CURRENT UNIV CONTRIBUTION | YEAR-TO-DATE EARNINGS/DED | DESCRIPTION | COVERAGE
$10,000.00 | $10,000.00
181.00 | 181.00 % of Gross less $19
145.00 | 145.00 1.45% of Gross | No Limit
31.00 | 6,045.00 6.2% of Gross | $97,500.00
2,213.08 | 2,213.08
709.39 | 709.39
48.00 | Self
37.27 | Delta Dental | Self
13.45 | Vision Service | Self
$3,279.47 | $9,293.47
$6,720.53 | $98.72
$6,720.53

**PPP4401 Report**

Verify the results of the reported YTD OASDI Gross (EDB 5503) and current OASDI deduction (GTN 013) on the PPP4401 for the following Employee IDs:

<table>
<thead>
<tr>
<th>Employee ID</th>
<th>Pay Rate</th>
<th>YTD FICA Gross (EDB5503)</th>
<th>OASDI Taxes (GTN 013-Y)</th>
<th>YTD FICA Gross (EDB5503)</th>
<th>OASDI Taxes (GTN 013-Y)</th>
<th>Current OASDI Taxes Taken</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>301000001</td>
<td>10,000</td>
<td>97,500.00</td>
<td>6,045.00</td>
<td>97,500.00</td>
<td>6,045.00</td>
<td>No OASDI Taken</td>
<td>YTD OASDI Gross of 97,500.00 already reached</td>
</tr>
<tr>
<td>301000002</td>
<td>10,000</td>
<td>97,499.00</td>
<td>6,044.94</td>
<td>97,500.00</td>
<td>6,045.00</td>
<td>0.06</td>
<td>Remaining Gross of 1.00 x 6.2 = 0.06</td>
</tr>
<tr>
<td>301000003</td>
<td>10,000</td>
<td>97,000.00</td>
<td>6,014.00</td>
<td>97,500.00</td>
<td>6,045.00</td>
<td>31.00</td>
<td>Remaining Gross of 500.00 x 6.2 = 31.00</td>
</tr>
<tr>
<td>301000004</td>
<td>10,000</td>
<td>97,500.00</td>
<td>6,045.00</td>
<td>97,500.00</td>
<td>6,045.00</td>
<td>No OASDI Taken</td>
<td>YTD OASDI Gross of 97,500.00 already reached. Verify maximum OASDI Gross Limit not displayed on paper Surepay</td>
</tr>
<tr>
<td>301000005</td>
<td>10,000</td>
<td>97,499.00</td>
<td>6,044.94</td>
<td>97,500.00</td>
<td>6,045.00</td>
<td>0.06</td>
<td>Remaining Gross of 1.00 x 6.2 = 0.06. Verify maximum OASDI Gross Limit on paper Surepay</td>
</tr>
<tr>
<td>301000006</td>
<td>10,000</td>
<td>97,000.00</td>
<td>6,014.00</td>
<td>97,500.00</td>
<td>6,045.00</td>
<td>31.00</td>
<td>Remaining Gross of 500.00 x 6.2 = 31.00. Verify maximum OASDI Gross Limit on paper Surepay.</td>
</tr>
<tr>
<td>301000007</td>
<td>10,000</td>
<td>97,500.00</td>
<td>6,045.00</td>
<td>97,500.00</td>
<td>6,045.00</td>
<td>No OASDI Taken</td>
<td>YTD OASDI Gross of 97,500.00 already reached</td>
</tr>
<tr>
<td>301000008</td>
<td>10,000</td>
<td>97,499.00</td>
<td>6,044.94</td>
<td>97,500.00</td>
<td>6,045.00</td>
<td>0.06</td>
<td>Remaining Gross of 1.00 x 6.2 = 0.06</td>
</tr>
<tr>
<td>301000009</td>
<td>10,000</td>
<td>97,000.00</td>
<td>6,014.00</td>
<td>97,500.00</td>
<td>6,045.00</td>
<td>31.00</td>
<td>Remaining Gross of 500.00 x 6.2 =</td>
</tr>
</tbody>
</table>
Maximum OASDI Gross Limit Size Increase
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<table>
<thead>
<tr>
<th>301000010</th>
<th>10,000</th>
<th>87,500.00</th>
<th>5425.00</th>
<th>97,500.00</th>
<th>6,045.00</th>
<th>620.00</th>
<th>31.00</th>
</tr>
</thead>
</table>

Remaining Gross of 10,000.00 x 6.2 = 620.00
**W-2 Process (RUN600)**

**Description**

This job produces the W-2 Extract File, W-2 Reports, and the W-2 Magnetic Tape for tax year 2006.

**Verification**

**W-2 output Files**

At UCOP the set of output files produced from the unmodified programs and the set of output files produced from the modified programs were saved. Thus, the two sets of output files are compared using COMPAREX to verify that no differences are found between the two sets of output files. If desired, campuses can also compare the output files using COMPAREX or use their local tool.

The data in the following output files were compared using COMAPREX:

**W-2 Extract File:**

PAYJXQ.RLSE.W2FILEP: Produced from unmodified modules
PAYJXQ.TEST.W2FILET: Produced from modified modules

```
SYSUT1=PAYJXQ.TEST.W2FILEP
DCB=(DSORG=PS,RECFM=FB,LRECL=1054, VOL=SER=PR1032

SYSUT2=PAYJXQ.RLSE.W2FILET
DCB=(DSORG=PS,RECFM=FB,LRECL=1054, VOL=SER=PR1026

DATA,FORMAT=02
(FORMAT EXPLANATION: FULL SYSUT1 FOLLOWED BY DIFFERING LINES OF SYSUT2)
SERENA COMPAREX (MVS - 8.4.3 - 2003/105) COMPARE FRIDAY MARCH 2, 2007
YJXQ.TEST.W2FILEP SYSUT2=PAYJXQ.RLSE.W2FILET
SKIP RECORD PROCESSING: SYSUT1(1)/SYSUT2(1)
END OF DATA ON FILE SYSUT1
END OF DATA ON FILE SYSUT2
RECORDS PROCESSED: SYSUT1(631)/SYSUT2(631),DIFFERENCES(0)
TIME OF DAY AT END OF JOB: 11:07:30 - CONDITION CODE ON EXIT: 0
```

**W-2 Federal (IRS) File:**

PAYJXQ.TEST.FEDW2P: Produced from unmodified modules
PAYJXQ.TEST.FEDW2T: Produced from modified modules

```
SYSUT1=PAYJXQ.TEST.FEDW2P
DCB=(DSORG=PS,RECFM=FB,LRECL=512, VOL=SER=PR1029

SYSUT2=PAYJXQ.RLSE.FEDW2T
DCB=(DSORG=PS,RECFM=FB,LRECL=512, VOL=SER=PR1030
```
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DATA, FORMAT=02
(FORMAT EXPLANATION: FULL SYSUT1 FOLLOWED BY DIFFERING LINES OF SYSUT2)
.SERENA COMPAREX (MVS - 8.4.3 - 2003/105) COMPARING FRIDAY MARCH 2, 2007
.YJXQ.TEST.FEDW2P, SYSUT2=PAYJXQ.RLSE.FEDW2T
SKIP RECORD PROCESSING: SYSUT1(1)/SYSUT2(1)
END OF DATA ON FILE SYSUT1
END OF DATA ON FILE SYSUT2
RECORDS PROCESSED: SYSUT1(620)/SYSUT2(620), DIFFERENCES (0)
TIME OF DAY AT END OF JOB: 11:46:32 - CONDITION CODE ON EXIT: 0

On Line W-2 File:

PAYJXQ.TEST.OW2P: Produced from unmodified modules
PAYJXQ.RLSE.OW2T: Produced from modified modules

SYSUT1=PAYJXQ.TEST.OW2P
DCB=(DSORG=PS,RECFM=FB,LRECL=2672)

SYSUT2=PAYJXQ.RLSE.OW2T
DCB=(DSORG=PS,RECFM=FB,LRECL=2672)

DATA, FORMAT=02
(FORMAT EXPLANATION: FULL SYSUT1 FOLLOWED BY DIFFERING LINES OF SYSUT2)
.SERENA COMPAREX (MVS - 8.4.3 - 2003/105) COMPARING FRIDAY MARCH 2, 2007
.YJXQ.TEST.OW2P, SYSUT2=PAYJXQ.RLSE.OW2T
SKIP RECORD PROCESSING: SYSUT1(1)/SYSUT2(1)
END OF DATA ON FILE SYSUT1
END OF DATA ON FILE SYSUT2
RECORDS PROCESSED: SYSUT1(616)/SYSUT2(616), DIFFERENCES (0)
TIME OF DAY AT END OF JOB: 11:52:30 - CONDITION CODE ON EXIT: 0

W-2 Forms:

PAYJXQ.TEST.W2006P: Produced from unmodified modules
PAYJXQ.RLSE.W2006T: Produced from modified modules

SYSUT1=PAYJXQ.TEST.W2006P
DCB=(DSORG=PS,RECFM=FBA,LRECL=133)

SYSUT2=PAYJXQ.RLSE.W2006T
DCB=(DSORG=PS,RECFM=FB,LRECL=133)

DATA, FORMAT=02
(FORMAT EXPLANATION: FULL SYSUT1 FOLLOWED BY DIFFERING LINES OF SYSUT2)
.SERENA COMPAREX (MVS - 8.4.3 - 2003/105) COMPARING FRIDAY MARCH 2, 2007
.YJXQ.TEST.W2006P, SYSUT2=PAYJXQ.RLSE.W2006T
SKIP RECORD PROCESSING: SYSUT1(1)/SYSUT2(1)
END OF DATA ON FILE SYSUT1
END OF DATA ON FILE SYSUT2
RECORDS PROCESSED: SYSUT1(44246)/SYSUT2(44246), DIFFERENCES (0)
TIME OF DAY AT END OF JOB: 11:54:10 - CONDITION CODE ON EXIT: 0
Rush Checks

Description

Rush Checks can be tested via the on line CICS functions OPT1 and OPT2.

Verification

At UCOP, the following test cases listed in the table below were used to test the Rush Checks changes. Campuses can replicate the test cases described below, if desired.

<table>
<thead>
<tr>
<th>Employee ID</th>
<th>Pay Rate</th>
<th>YTD FICA Gross (EDB5503)</th>
<th>OASDI Taxes (GTN 013-Y)</th>
<th>YTD FICA Gross (EDB5503)</th>
<th>OASDI Taxes (GTN 013-Y)</th>
<th>Current OASDI Taxes Taken</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>301000001</td>
<td>10,000</td>
<td>97,500.00</td>
<td>6,045.00</td>
<td>97,500.00</td>
<td>6,045.00</td>
<td>No OASDI Taken</td>
<td>YTD OASDI Gross of 97,500.00 already reached</td>
</tr>
<tr>
<td>301000002</td>
<td>10,000</td>
<td>97,499.00</td>
<td>6,044.94</td>
<td>97,500.00</td>
<td>6,045.00</td>
<td>0.06</td>
<td>Remaining Gross of 1.00 x 6.2 = 0.06</td>
</tr>
<tr>
<td>301000003</td>
<td>10,000</td>
<td>97,000.00</td>
<td>6,014.00</td>
<td>97,500.00</td>
<td>6,045.00</td>
<td>31.00</td>
<td>Remaining Gross of 500.00 x 6.2 = 31.00</td>
</tr>
</tbody>
</table>