TEST PLAN FOR RELEASE 1077

July 12, 1996

Information Systems and Administrative Services
Office of the President
University of California
Testing Overview

This test plan addresses the test runs and cases constructed to verify the correct installation of program modifications identified in the release cover letter.

This test plan is made up of the following components:

1. Batch Table Loads.
2. Payroll Compute Testing
3. IAP and ART Control Table Maintenance
4. Expense Distribution and Incentive Award Processing.
**Batch Table Loads**

1. Job LOADEDDB loads the DB2 EDB.
2. Job LOADCTL loads the DB2 CTL.
3. Job RUN150 loads the VSAM CTL.

NOTE: With the exception of the Incentive Award Program (IAP) and Assessment Rate (ART) Tables, the base CTL tables have already been updated with the transactions necessary to test this release. The transactions to update the Control Tables have been sent with this release as printed forms and as the RLSE.CARDLIB datasets PRM, DOS, FND, and MSG. These transactions may need local adjustments, refer to Install Instructions. IAP and ART updates to the CTL will be applied within this test plan, refer to IAP And ART Control Table Maintenance.

**Verification**

Ensure that the above tables have been successfully loaded by verifying normal completion of the jobs and utility highest condition codes.
Payroll Compute Testing

Run the following job:

RUN3441.

This job (RUN3441) executes a sample Payroll Compute process by running the following steps: PPP340, PPP320, PPP300, PPP345, PPP350, PPP360, PPP370, PPP380, PPP390, PPP400, and PPP410. Note that a run of PPP250 (EDB display) is included as the first and last steps to list selected employee EDB values. Also note that a run of PPP435 is included just before execution of PPP340; this PPP435 step will purge the PPI data which PPP340 will create; this makes the job re-runable as long as PPP410 has not yet updated the EDB.

The intent of Job RUN3441 is to verify that IAP award payments (when entered on "AP" and "FT" transactions) will insert new rows on the PPPAWR Table contained on the EDB. Although PPP390 performs the balance of this task, the actual update to the EDB is performed by PPP410 (i.e., PPP390 passes its update computations to PPP410 via EDB Change File records where PPP410 actually performs the update).

Note that the following Employee IDs had their EDB values displayed (before and after update by PPP410) by PPP250. They received one or more IAP payments (DOS = IAP) and in turn, had AWR rows inserted on the EDB to represent these award payments:

1. 000050033
2. 000050034
3. 000050067.

Also note that first 2 employees (000050033 and 000050034) had previously existing AWR rows on the EDB (Key to the AWR Table is Employee ID and Award Number) and PPP390 successfully found the first vacant Award Number(s) for the Employee so that the new AWR rows were properly inserted.

Verification

Output reports (SYSOUT) for the job are provided for RUN3441 verification in the RLSE.REPORTS dataset. The "after" PPP250 EDB display is most critical for verification. Also, verify in the local run that no IAP payments have "fatal"ed out; a comparison of local vs supplied runs of PPP370 may indicate a severity difference (remember new Severity "5" is Transaction
Reject). Note that no Transaction records are released from the Time Files (batch or online) or TOE Table; therefore result duplication up to PPP390 should not present problems.

The following sequential files are provided for comparison:

<table>
<thead>
<tr>
<th>JCL Dataset</th>
<th>Tape Dataset</th>
<th>Output Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEST.CPA.O</td>
<td>RLSE.CPA</td>
<td>PPP380</td>
</tr>
<tr>
<td>TEST.EDBC39.O</td>
<td>RLSE.EDBC39</td>
<td>PPP390</td>
</tr>
<tr>
<td>TEST.PRELMPAR.O</td>
<td>RLSE.PRELMPAR</td>
<td>PPP390</td>
</tr>
<tr>
<td>TEST.COM3940.O</td>
<td>RLSE.COM3940</td>
<td>PPP390</td>
</tr>
<tr>
<td>TEST.FNLPAR.O</td>
<td>RLSE.FNLPAR</td>
<td>PPP400</td>
</tr>
<tr>
<td>TEST.EDBC40.O</td>
<td>RLSE.EDBC40</td>
<td>PPP400</td>
</tr>
<tr>
<td>TEST.EDBC41.O</td>
<td>RLSE.EDBC41</td>
<td>PPP410</td>
</tr>
</tbody>
</table>

Also note that a downloaded EDB (taken after the PPP410 update) is available for comparison as RLSE.UDB2EDB2.

IAP and ART Control Table Maintenance

Run the following job:

RUN006.

This job (RUN006) executes a sample Control Table Maintenance for the update of the Incentive Award Program (IAP) table (DB2 table PPPTAP) and the Assessment Rate (ART) table (DB2 table PPPPRT) by running program PPP006. Note that PPP006 also updates the CTT and DES tables.

The intent of this job is to verify that PPP006 will properly edit transaction input, and successfully update and list the IAP and/or the ART tables based on this input (refer to new forms, UPAY869 and UPAY870).

Note that the input for this job, RLSE.CARDLIB (TESTIAP) and (TESTSTART) is for test purposes only and should NOT be applied to production Control Files.

Verification

Output reports (SYSOUT) for the job are provided for RUN006 verification in the RLSE.REPORTS dataset. It is critical that
the two new reports, PPP0064 and PPP0065, which list these tables match the tape supplied reports; otherwise, subsequent testing of PPP520 will be impacted. When running this job, remember that enhanced message severity values are applicable (severity 5 indicates transaction reject, NOT see systems). Note that 3 input transactions will reject (as listed on report PPP0061).

A downloaded ART Table and IAP Table (taken after the PPP006 update) is available for comparison as RLSE.UDB2CTLZ. Note that ONLY the ART and IAP tables are contained on this DB2 download.

Expense Distribution and Incentive Award Processing

Run the following job:

RUNEXPEN.

This job (RUNEXPEN) executes a sample monthly Expense Distribution process by running the following steps: PPP460, PPP470, PPP500, PPP520, PPP530, and PPP533. Note that this job is re-runnable (no DB2 tables are updated) and uses the PAR output of the Payroll Compute process executed in first job of this test plan (RUN3441).

The intent of Job RUNEXPEN is to verify that IAP award payments as well as IAP assessments to regular pay are properly handled by the Expense Distribution process. Additionally, the last step in this job exercises the IAP Activity Reporting process, PPP533, which uses the EDW created by PPP520 as a major input to the process.

Verification

Output reports (SYSOUT) for the job are provided for RUNEXPEN verification in the RLSE.REPORTS dataset.

The following sequential files are provided for comparison:

| JCL Dataset | Tape Dataset | Output Program |
Report Reconciliation

Figures 1 through 9 are attached to this Test Plan for report reconciliation. Note the relationships on these reports.

1). Figure 1 Point A (PPP5202) represents the benefit offset amount for IAP Award payments (Object 8955); i.e., when an award is made, the department is credited for the total benefits, after which, the IAP account (115313) is debited for the same amount. Therefore, the Point A amount should always be zero.

2). Figure 1 Point B is the total calculated IAP Assessment Amount. This amount should equal amount shown on Figure 4 Point A and should also match the amount shown on Figure 5 Point B.

3). Figure 2 shows the IAP account and reflects IAP award payments. The sum of Figure 2 Point A (gross amount) plus Figure 2 Point B (benefit amount) should equal the amount shown on Figure 5 Point A.

4). Figure 3 Point A (PPP5202) represents the gross offset amount for IAP Award payments (Object 1180); i.e., when an award is made, the department is credited for the gross amount, after which, the IAP account (115313) is debited for the same amount. Therefore, the Point A amount should always be zero.

5). Figure 3 Point B represents the total gross of IAP award payments (object 1150) and should equal the amount shown on Figure 2 Point A.

6). When attempting to verify the IAP Assessment amount calculation, it is wise to select an employee payment which is not eligible for Leave Assessment (i.e., the IAP assessment and the Leave assessment are combined on the ppp5302 report). For example, Figure 6 Point A represents a payment with a Leave Code of "N" (no leave). This payment
is reflected on Figure 7 (ET Line 2). In this case, the IAP assessment of $5.80 (Figure 7 Point A) was developed by first selecting the Assessment Rate Code of "1TXB" (see Figure 8 Point A) from the IAP Table based on the employee's pay attributes and earning date; then selecting the correct "1TXB" entry (Figure 9 Point A) from the ART Table using the earnings date (this indicates an assessment rate of .006). Therefore, the IAP assessment of $5.80 (Figure 7 Point A) is calculated as the gross ($966.40) times the Rate (.006).

7). Figure 10 (PPP5302) represents an IAP award payment. Note that ET Line 01 indicates the department debit (gross Object Code 1150). ET Line 02 indicates the department offset relief credit (gross Object 1180); the IAP offset for the total benefits portion is applied to Object 8955. Note that this credit offset line in Figure 10 is balanced by the corresponding debit line to the IAP account indicated by Figure 2, ET Line 02. Therefore, the sum Location total for both gross Object 1180 and benefit Object 8955 will always be zero.

THIS ENDS THE TEST PLAN.