

**Test Plan
RELEASE 1571**

**PAR Expansion
YTD Balances**

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Testing Overview

This test plan addresses the test runs and cases constructed to verify the correct installation of Release 1571.

The batch processes were tested in two stages.

The first stage of batch testing was a regression test to ensure that all processes that use the sequential PAR file continue to work as expected with the new PAR file format, and to verify the modifications for the error reports. First, the data bases were loaded, and the X series of jobs were run. The data bases were loaded again, and the R series of jobs were run. The results of these runs were compared to ensure that the only differences were expected differences. The results of these tests are not provided, but can be duplicated by following the test plan with the X jobs (to produce the Base results for comparison) and then the R jobs (to produce the results from this release).

The second stage of batch testing used the same test plan and test data as the regression test, augmented with data to test the new limit of 500 earnings distributions. It also tested the creation of the new balances segment of the PAR file. The data bases were loaded yet again, and the N series of jobs were run. The results of these tests are provided.

The online testing verified that the changes to the CICS PAR Inquiry functions gave expected results.

Batch Test Plan

The batch test plan includes the following processes; the ? is replaced by X for the original (Base) run, R for the regression test run with the same input data, and N for the new run with additional tests of 500 earnings transactions:

1. LOADCTL: Control Table Data Base (CTL) initial load
2. LOADEDDB: Employee Data Base (EDB) initial load
3. LOAETH: Transfer of Expense (ETH) initial load
4. LOADPCD: Leave Liability tables (PCD) initial load
5. LOADTHF: Retro Adjustment tables (THF) initial load
6. RUN900: Build the VSAM Payscale file
7. ?C0402B1: B1 pay edit and compute cycle
8. ?C0402MO: MO pay edit and compute cycle
9. ?C0402B2: B2 pay edit and compute cycle
10. ?C0402XX: XX pay edit and compute cycle
11. ?RUN460: PPP460
12. ?RUN465: PPP465
13. ?RUN730: PPI730
14. ?RUN450: PPP450
15. ?RUN470: PPP470
16. ?RUN480: PPP480
17. ?RUN490: PPP490
18. ?RUN495: PPP495
19. ?RUN510: PPP510
20. ?RUN530: PPP500, PPP520, PPP530
21. ?RUN532: PPP532
22. ?RUN533: PPP533
23. ?RUN536: PPP536
24. ?RUN540: PPP540
25. ?RUN541: PPP541, PPP542
26. ?RUN549: PPP549
27. ?RUN560: PPP560
28. ?RUN580: PPP580
29. ?RUN640: PPP640
30. ?RUN713: PPP713
31. ?RUN864: PPP864
32. ?RUN870: PPP870
33. ?RUN876: PPP876
34. ?RUN930: PPP930, PPP940
35. ?RUN946: PPP946

Regression Test Results (X and R Runs) – Not Included

The following differences were noted between the output of the old (X) and new (R) runs:

- PPP330: the new version will print the standard PPP3301 header if there are NO ACTIVE TIME ROSTERS AVAILABLE; the old version does not print any header.
- PPP380: the new version of PPP3805 will include a three-digit PAR DIS number instead of a two-digit number, and the BAT NO. and PPP5302 ET fields will be populated.
- PPP420: the expanded laser Surepay (SYS PRM 144 = 4) will mask bank account numbers with single embedded blanks in a different way; the masking will be done by working back from the right-most character of the account number (instead of searching from left to right for the first blank character).
- PPP420: the new version of PPP4208 will include employees who triggered the large net pay warning based on their primary pay schedules (and not on the pay cycle).
- PPP420: the NACHA files will have different date and time stamps in their first records.
- PPP410: this program will now produce the final PAR, which includes the new balances segment.
- PAR file: sub-location values in the earnings distribution segment will be more consistently derived, and FILLER areas will be consistently blank, due to more thorough initialization of the earnings records by PPP380.
- PPP440: the three-digit earnings sequence number will shift the transaction code, FAU, and ERC one column to the right; the GROSSES SPECIFIED ON INPUT line for COHRs will more closely match the layout of PPP470, and the correct DCP values will be displayed; sub-location values are more likely to be valid.
- PPP470: the three-digit earnings sequence number will shift the transaction code, FAU, and ERC one column to the right; sub-location values are more likely to be valid.
- PPP500: the PCRs in the CONBEN files will be shifted.
- EDW file: the sub-location values in the EDW are more likely to be valid, since they are more likely to be valid in the PAR file; the PAR-CNTL-NUM and PAR-DIST-NUM fields will be COMP now.
- PPP530: the PAR DIS column header will be shifted/expanded one column to the right, and the extra digit of the PAR DIS number will be accommodated by taking the space next to the employee name. There should no longer be blanks for the name and ID number for the first person on a page if it is continued from the prior page.
- TOEU file: the PAR-CNTL-NUM and PAR-DIST-NUM fields will be COMP now.
- PPP930/PPP940: the turnaround reports PPP9403, PPP9404, and PPP9405 will display a four-digit SEQ NO instead of a three-digit one, and the key entry column values have been revised to match; the PLMTRNxx files and the REPTOUT files will have a four-digit sequence number instead of a three-digit one, and the rest of the record will be shifted right by one column; the PLMTRNxx files will include sub-location in columns 57-58, and the REPTOUT files will have non-null values for sub-location for all cycles of PPP930.

LOADCTL: CONTROL TABLE (CTL) INITIAL LOAD

Description

This job loads the DB2 CTL database.

Verification

Verify that the job has completed normally. Verify 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.

LOADEDDB: EMPLOYEE DATA BASE (EDB) INITIAL LOAD

Description

This job loads the EDB database.

Verification

Verify that the job has completed normally. Verify that all tables have been successfully loaded into the data base.

LOADETH: TRANSFER OF EXPENSE (ETH) INITIAL LOAD

Description

This job loads the ETH database.

Verification

Verify that the job has completed normally. Verify that all tables have been successfully loaded into the data base.

LOADPCD: LEAVE LIABILITY TABLES (PCD) INITIAL LOAD

Description

This job loads the LLI, LLF, and LVL tables of the PCD database.

Verification

Verify that the job has completed normally. Verify that all tables have been successfully loaded into the data base.

LOADTHF: RETRO ADJUSTMENT TABLES (THF) INITIAL LOAD

Description

This job loads the RPG and RRA tables of the THF database.

Verification

Verify that the job has completed normally. Verify that all tables have been successfully loaded into the data base.

RUN900: BUILD THE VSAM PAYSACLE FILE

Description

This job updates the VSAM Payscale file for use by PPP930.

Verification

Verify that the job has completed normally.

NC0402B1: B1 PAY EDIT AND COMPUTE

Description

This job processes a B1 pay edit and compute cycle. It sets SYS PRM 144 to the value 1 (short Surepay mailer).

This job includes a second run of PPP420 for a check write restart. It also includes tests for earnings transactions at and over the new limit of 500 per pay item, and tests for expense transfers generated from expired TOE entries (Error Report 1471).

Verification

PPP3301 (step PPP330B): NO ACTIVE TIME ROSTERS AVAILABLE message has a report header.

PPP3302 (step PPP330B): verify that employees 000050001, 000050002, and 444000123 are listed with 499, 501, and 502 THF counts. (Note that the count of 501 for employee 000050002 is based on 499 AP/FT/RA transactions, plus 1 for the second item in an AP transaction, plus 1 for a potential Work Study split on another AP transaction; that's why PPP3803 was not generated for this cycle.)

PPP3803: verify that message 38-005 appears for 7 transactions for employee 444000123.

PPP3805: verify that BAT NO. and PPP5302 ET fields are filled for all transactions, and PAR DIS is three digits; the three transactions for ET MO 0210 should have INFO message NO LONGER ON TOE TBL (Error Report 1471).

PPP3903: verify that the activity for employee 444000123 is flushed (messages 39-031, 39-041).

PPP3905: verify that message 39-607 (no room for another distribution) appears for employee 000050002 (work study split).

PPP420: compare the reconciliation files produced by steps PPP420A and PPP420B. There will be 5 additional records for the second set of voided alignment checks (501 through 505), and check numbers 116 and higher will be replaced by check numbers 506 and higher.

PPP440: verify that the earnings sequence numbers are three digits; employee 000050001 will have 499 earnings, and employee 000050002 will have 500 earnings.

NC0402MO: MO PAY EDIT AND COMPUTE

Description

This job processes an MO pay edit and compute cycle. It sets SYS PRM 144 to the value 4 (expanded laser Surepay). It also tests the masking of bank account numbers on the expanded laser Surepay (Error Report 1687) and the correct checking of net pay warning thresholds (Error Report 1752).

Verification

PPP3301 (step PPP330B): NO ACTIVE TIME ROSTERS AVAILABLE message has a report header.

PPP3302 (step PPP330B): verify that employees 000050001, 000050002, 701000001 and 701000005 are listed with 500, 497, 496, and 498 THF counts.

PPP420 Advice: verify that employees 000050002 and 701000005 each received an 11-page mailer. Also verify the following bank account number masking (Error Report 1687):

ID	EDB value	Old Advice value	New Advice value	Comments
701000002	01 34 676767 1	01 34 676767 1	01 34 6767XXXX	
701000003	01-34 676767-1	0XXXX 676767-1	01-34 6767XXXX	
701000004	01 34-676767 1	01 34-676767 1	01 34-6767XXXX	
701000006	01-34-67 67-1	01-3XXXX	01-34-67	The masking occurs before the truncation for display; the two embedded spaces truncate the display
701000007	01-34-676767 1	01-34-67XXXX 1	01-34-6767XXXX	
701000008	01- -676767-1	01-	01-	The two embedded spaces truncate the display
701000009	0 67676767-1	0	0	The five embedded spaces truncate the display
701000010	0 1	0 1	0 1	No masking done if the account is 4 characters or less
701000011	0-1	0-1	0-1	No masking done if the account is 4 characters or less
701000012	01-34	0XXXX	0XXXX	
701000013	1 3	1 3	1 3	No masking done if the account is 4 characters or less

PPP420: verify that employee 000050024 appears on PPP4208, with CYC LIMIT B, and on PPP4203 (Error Report 1752).

PPP440: verify that the earnings sequence numbers are three digits; employee 000050001 will have 500 earnings, employee 000050002 will have 498 earnings, employee 701000001 will have 496 earnings, and employee 701000005 will have 498 earnings.

NC0402B2: B2 PAY EDIT AND COMPUTE

Description

This job processes a B2 pay edit and compute cycle. It sets SYS PRM 144 to the value 2 (original laser Surepay).

Verification

PPP3301 (step PPP330B): NO ACTIVE TIME ROSTERS AVAILABLE message has a report header.

PPP3302 (step PPP330B): verify that employees 701000001 and 701000005 are listed with 496 and 498 THF counts.

PPP3905: verify that message 39-607 (no room for another distribution) appears for employee 000050002 (work study split).

PPP420 Advice: verify that employee 701000005 received an 11-page mailer.

PPP440: verify that the earnings sequence numbers are three digits; employee 701000001 will have 497 earnings, and employee 701000005 will have 499 earnings.

NC0402XX: XX PAY EDIT AND COMPUTE

Description

This job processes an XX pay edit and compute cycle. It sets SYS PRM 144 to the value 3 (large Surepay data mailer).

Verification

PPP3301 (step PPP330B): NO ACTIVE TIME ROSTERS AVAILABLE message has a report header.

PPP3302 (step PPP330B): verify that employees 000050001, 000050002, 701000001, and 701000005 are listed with 499, 501, 496, and 498 THF counts. (Note that the count of 501 for employee 000050002 is based on 499 AP/FT/RA transactions, plus 1 for the second item in an AP transaction, plus 1 for a potential Work Study split on another AP transaction; that's why PPP3803 was not generated for this cycle.)

PPP420 Advice: verify that employees 000050002 and 701000005 each received a 14-page mailer.

PPP420: verify that Monthly employees 000050004 and 000050017 and Biweekly employee 000050024 are all on PPP4203 with message 42-015 and on PPP4208.

PPP440: verify that the earnings sequence numbers are three digits; employee 000050001 will have 499 earnings, employee 000050002 will have 500 earnings, 701000001 will have 496 earnings, and employee 701000005 will have 498 earnings.

NRUN460

Description

This job runs PPP460 four times to merge the four PARs (B1, MO, B2, XX) created in the previous steps.

Verification

Verify that the job has completed normally.

NRUN465

Description

This job runs PPP465 four times to insert the four PARs (B1, MO, B2, XX) created in the previous steps into the DB2 PAR. All existing records for the DB2 PAR (BAL, DRC, ERN, DAT, HAT, COM, PEB, EUD, and PIR) are deleted first.

Verification

Verify that the job has completed normally. Verify that PPP4651 includes an entry for BALANCES TABLE. The PARFILE RECORDS READ will be the sum of the PIR and EUD counts.

NRUN730

Description

This job runs PPI730 (Program Mode is S) using the merged PAR created by PPP460.

Verification

Verify that the job has completed normally.

NRUN450

Description

This job runs PPP450 using the merged PAR created by PPP460.

Verification

Verify that the job has completed normally.

NRUN470

Description

This job runs PPP470 using the merged PAR created by PPP460.

Verification

Verify that the job has completed normally. Verify that the earnings sequence numbers are three digits.

NRUN480

Description

This job runs PPP480 using the merged PAR created by PPP460.

Verification

Verify that the job has completed normally.

NRUN490

Description

This job runs PPP490 using the merged PAR created by PPP460.

Verification

Verify that the job has completed normally.

NRUN495

Description

This job runs PPP495 using the merged PAR created by PPP460 and the DB2 PAR created by PPP465.

Verification

Verify that the job has completed normally.

NRUN510

Description

This job runs PPP510 using the merged PAR created by PPP460.

Verification

Verify that the job has completed normally.

NRUN530

Description

This job runs PPP500, PPP520, and PPP530 using the merged PAR created by PPP460.

Verification

Verify that the job has completed normally. Verify that the PAR DIS header has shifted one column and that the PAR DIS values are three digits that completely fill the space between PAR CTL and employee name.

NRUN532

Description

This job runs PPP532 using the EDW created by PPP520.

Verification

Verify that the job has completed normally.

NRUN533

Description

This job runs PPP533 using the EDW created by PPP520.

Verification

Verify that the job has completed normally.

NRUN536

Description

This job runs PPP536 using the EDW created by PPP520.

Verification

Verify that the job has completed normally.

NRUN540

Description

This job runs PPP540 using the TOEU created by PPP530.

Verification

Verify that the job has completed normally.

NRUN541

Description

This job runs PPP541 using the EDW created by PPP520.

Verification

Verify that the job has completed normally.

NRUN549

Description

This job runs PPP549 using the EDW created by PPP520.

Verification

Verify that the job has completed normally.

NRUN560

Description

This job runs PPP560 using the merged PAR created by PPP460.

Verification

Verify that the job has completed normally.

NRUN580

Description

This job runs PPP580 using the merged PAR created by PPP460.

Verification

Verify that the job has completed normally.

NRUN640

Description

This job runs PPP640 using the merged PAR created by PPP460.

Verification

Verify that the job has completed normally.

NRUN713

Description

This job runs PPP713 using the merged PAR created by PPP460.

Verification

Verify that the job has completed normally.

NRUN864

Description

This job runs PPP864 using the merged PAR created by PPP460.

Verification

Verify that the job has completed normally.

NRUN870

Description

This job runs PPP870 using the merged PAR created by PPP460.

Verification

Verify that the job has completed normally.

NRUN876

Description

This job runs PPP876 using the B1, MO, and B2 PARs created previously.

Verification

Verify that the job has completed normally.

NRUN930

Description

This job runs PPP930 three times (PRLM1, PRLM2, FINAL) using the merged PAR created by PPP460.

Verification

Verify that the job has completed normally. Verify that the sequence numbers on the PPP940x reports are four digits; verify that the column numbers for key entry are now (1-9), (10-13), (14-20), (21-27) on PPP9403/4/5.

NRUN946

Description

This job runs PPP946 using the RPG and RRA data loaded by LOADTHF.

Verification

Verify that the job has completed normally.

Online Test Plan

The online test plan includes the following tests, based on the DB2 PAR created during the batch testing:

IERN/IDER:

Verify that the earnings sequence numbers are three digits.

Select an employee who has more than 297 earnings, such as 000050001 for the XX paid on 03/05/2004. Note that the page count shows PG nn OF 67. Page forward (F8) until you reach PG 99 OF 67. Page forward (F8) again; note that the PG nn OF xx area is blank. Page forward (F8) again; note that the page count again shows PG 01 OF 67, and the earnings sequence numbers are 301, 302, and 303. If desired, continue paging forward (F8) until PG 67 OF 67, where the 8-Forward function will no longer be available.

Verify that the CICS Help fields are correctly anchored.

IDER:

Verify that the earnings detail layout on IDER matches the layout on IERN, and includes SubL.

ICLK/IDCS:

Select an employee who has exactly 49 earnings distributions (or 60, 71,... or 500; it's calculated as $5 + (11 \times n)$), such as 000050017 for the B1 paid on 02/25/2004. Page forward (F8) until you reach the next to the last page and make a note of a few of the entries. Page forward (F8) to the last page; note that it displays only the *TOTL GROSS* description and amount. Page backward (F7) one page, and verify that the entries noted previously are again displayed on that page. Continue paging backward (F7) until the deductions/reductions/contributions begin to appear. Continue paging backward (F7) and note that there are no repeated or garbage entries.