

Release 1773

**Service Request 81871
Remove U. S. Savings Bonds Phase II**

Test Plan

July 13, 2007

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Introduction

This is the complete test plan for the removal of support for the Savings Bonds program from PPS. This includes the one-time process to delete bond data and the process to remove all Savings Bonds objects from PPS.

It is important to first install and test the one-time program before installing any of the other objects listed in the installation document. This one-time process is dependent on programs which will be deleted in the installation of this release. The program can then be run against the EDB supplied with this release.

After testing the one-time, the other objects can then be installed and the remaining test functions performed.

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Installation of One-Time Objects

Perform the installation of the one-time objects; program, bind, JCL.

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Load Employee Data Base (LOADEDDB)

Load the DB2 EDB database.

Verification

Ensure that the DB2 EDB has been successfully restored by verifying normal completion of the job and ensuring that all tables have been successfully loaded into the database. Verification can be made by reviewing the PDS REPORTS member LOADEDDB.

Load Control Table Data Base (LOADCTLA)

Load the DB2 CTL database supplied with this release. The CTL updates associated with this release have not been applied to this version of the CTL database. This ensures that the tables are as they should be for the one-time process. An updated CTL will be loaded later for subsequent testing.

Verification if using CTL supplied with release

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. Verification can be made by reviewing the PDS REPORTS member LOADCTLA.

Run One-time to Create Bond Delete Transactions (RUNONET)

One-time program PPOT1773 creates delete transactions for Savings Bonds. There is a delete transaction generated for each row on the PPPBND table. When these transactions are processed by file maintenance in the next step, the “G” amount on the PPPDBL table is set to zero and the bond row is deleted from the PPPBND bond table.

Verification

Confirm the job ran to successful completion.

Verify that the results match to the REPORTS PDS member RUNONET.

Compare the output transaction file to the DELTRANS file.

The first step of this job is an SQL SELECT on the PPPBND table reporting all the rows found. The next step is a SELECT on the PPPDBL table reporting the “G” deduction amount for all the bonds. Later after the file maintenance run the same SQL is run which should result in no rows found on the PPPBND and no bond deduction amounts found on the PPPDBL deduction table.

Run File Maintenance to Apply Bond Deletes (RUNFMOT)

This job is the EDB File Maintenance job that processes the bond delete transactions created by the one-time program, PPOT1773, in the step. Processing these transactions will delete all bonds from the PPPBND bond table and will delete the “G” deduction amount from the employee deduction table PPPDBL.

Verification

The results of the test can be verified by reviewing the PDS REPORTS member RUNFMOT. The input transactions can be found in the DELTRANS file. Report PPP1800 in step PPP180 can be used to verify update results.

The last step of this job is an SQL SELECT on the PPPBND table reporting all the rows found and on the PPPDBL table reporting all the associated deduction amounts. There should be no rows found.

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Complete Release Installation

Perform the installation as described in the Installation Instructions document.

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Load Control Table Data Base (LOADCTLB)

Load the DB2 CTL database supplied with this release. This supplied CTL has had all the table updates associated with this release applied.

Verification if using CTL supplied with release

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. Verification can be made by reviewing the PDS REPORTS member LOADCTLB.

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EDB File Maintenance (RUNFM120)

This job is an EDB File Maintenance job that processes various types of transactions for the purpose of testing changes to program PPP050 and changes to multiple Plan Binds from which Savings Bonds programs were removed.

Verification

The results of the test can be verified by reviewing the PDS REPORTS member RUNFM120. The input transactions can be found in the PDS CARDEXP member FM120TRN. Report PPP1800 in step PPP180 can be used to verify update results.

It should be noted that the transaction file FM120TRN contains transactions to add a Savings Bond to the EDB. These will be rejected on report PPP0504, Batch Balance Error Listing.

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EDB Daily Maintenance (RUNDAILY)

This job is the Daily Maintenance job that performs implicit maintenance or explicit maintenance as a special run with input transactions from UCOP. In this test it is simply run as implicit maintenance in order to test changes made to the program and Plan Bind PPP130.

Verification

The results of the test can be verified by reviewing the PDS REPORTS member RUNDAILY. There is no input to this test run.

In reviewing Report PPP1309 in step PPP130, it can be seen that a list of all the EDB tables does not include the bond table PPPBND.

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Run Data Base Record Display Report (RUN250)

PPP250 produces the Data Base Record Display report which contains all information about selected employees. This test is performed to test the modification to the Plan Bind for this program, PPP250.

Verification

Confirm the job ran to successful completion.

Verify that the results match to the REPORTS PDS member RUN250.

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Generate Costing Transaction (RUN700)

This job generates costing transactions based upon input change record file(s). This test is performed to test the modification to the Plan Bind for this program, PPP700. The change file used in this test is the ECF120A file. This file was produced by the previous job RUNFM120.

Verification

The results of the test can be verified by reviewing the PDS REPORTS member RUN700. The costing file created can be compared to the COST700 file.

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Batch IDOC Print (RUN750)

This job prints IDOCs in a batch mode for Employee Ids specified in the job's JCL. This is a test of the modification to the program PPDxRETS used by PPP750 in the selection of data for the IDOCs requested.

Verification

The results of the test can be verified by reviewing the PDS REPORTS member RUN750. The IDOCs generated should match those printed by RUN750.

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Batch Key Changes (RUN040)

This job performs key changes for employees on the transaction input file. This is a test of the modification to the program PPKEYCHD used by PPP040 to make Key Changes and a test of the Plan Bind for PPP040 that has been changed to remove the bond programs. The transaction input for this test is in PDS CARDEXP member AACTRANS.

Verification

The results of the test can be verified by reviewing the PDS REPORTS member RUN040. The change records created can be compared to the ECF040 file.

Online CICS Testing

The following script can be used to verify installation of the numerous program and table changes found in this release.

1. Logon to CICS and access the main Applications Menu.
2. Enter EBND in NextFunc.
3. The following message will appear.
U0011 Invalid function code
4. Enter IBND in NextFunc.
5. The following message will appear.
U0011 Invalid function code
6. Enter EDES in NextFunc.
7. This is a list of data elements with the screen ID where each appears. Page through and see that the data elements 1103 – 1117 which previously appeared for screen EBND are no longer on the list.
8. Enter IEDB in NextFunc.
9. The EDB Inquiry Central Menu will appear. Note there is an “empty” place where the IBND was previously.
10. Enter IDDB in NextFunc.
11. The EDB Inquiry Departmental Menu will appear. Note there is an “empty” place where the IBND was previously.
12. Enter EEDB in NextFunc.
13. The EDB Entry/Update Function Code Menu will appear. Note there is an “empty” place where the EBND was previously.
14. Enter EGTN in NextFunc for ID 000050034.
15. The four GTNs for Savings Bonds will not display.
16. Enter IGTN in NextFunc for ID 000050034.
17. Only the “Y” yearly balances for the Savings Bonds GTNs will display.

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18. Enter IDOC in NextFunc for ID 000050018.
19. From the first IDOC screen enter nothing and page forward, PF8.
20. On this Document Selection Menu put an "S" next to Benefits Enrollment and use PF5 to print the document.
21. On the report, at the end of the document previously there was a section titled US Savings Bonds. That section no longer appears. This employee originally had a bond but does not now.
22. Repeat steps 18 – 21 selecting the Retirement and Savings instead of the Benefits Enrollment.
23. The results will be the same as described in step 19.
24. Enter EKEY in NextFunc. The Employee Id Number Change will display.
25. Enter ID 000050037 and hit enter.
26. That employee's Name (Lynn C. Doyel), SSN and Primary Pay Schedule will appear on the screen.
27. Enter ID 500050037 for the New Employee ID Number.
28. Use PF5 to update.
29. Perform inquiries on both employees. Enter EPER for 000050037. The name should be all ***** and the rest of the data should be blank. Enter EPER for 500050037 (new employee ID for Lynn C. Doyel). This ID should have all the data originally on employee 000050037. This test verifies the installation of the program used by the EKEY function.
30. Enter EAPP in NextFunc for ID 000050027.
31. On this Update Appointments/Distributions screen, change the rate on the distribution and update with PF5. This test utilizes the PPAPPEU* programs.

In order to ensure that the obsolete programs have been deleted from the CICS tables, use the CICS commands CEDA or CEMT to ensure that the programs are no long defined to CICS. See the Installation Instructions for a list of those programs