

Test Plan
RELEASE 1687

2005 1042-S Changes

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Testing Overview

This test plan addresses the test runs and cases constructed to verify the correct installation of Release 1687. 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. 1042-S Reporting (RUN730)
4. Print 1042-S Copies "B" and "C" (PRT1042A)
5. Print 1042-S Copy "E" (PRT1042B)

CONTROL TABLE (CTL) INITIAL LOAD (LOADCTL)

Description

This job loads the DB2 CTL database.

If there are any Control Table Transaction updates for this release, the Control Table Transaction updates are already reflected in the particular PDS members used for the loading of 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.

EMPLOYEE DATA BASE (EDB) INITIAL LOAD (LOADEDDB)

Description

This job loads the EDB database.

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 database.

1042-S Reporting (RUN730)

This job executes the year-end 1042-S Reporting Process. The year is specified on the Specification record as '05' in column 12 and columns 13.

Verification

To ensure that the installation has been performed correctly, verify the content of the following reports and output files:

1042-S Magnetic Tape File (X1042TPE)

Verify the data on the 'T' (Transmitter) Type record:

Record 1

Verify that field Tax Year contains a value of **2005** in columns 2 through 5.

Verify the data on the 'W' (Withholding Agent) Type record:

Record 2

Verify that field Payment Year contains a value of **2005** in columns 269 through 272.

Verify the data on the 'Q' (Recipient) Type record:

The following Postdoctoral Scholar Employee IDs have Q type records with the following values.

Record 4 Employee ID: **901000006**

Verify that

- i. Field Income Code contains **15** in columns 4 through 5.
- ii. Field Gross Paid contains **24000** in column 6 through 17.
- iii. Field Withholding Allowance contains a value of all **blank** in columns 18 through 29.
- iv. Field Net Income Amount contains a value of all **blank** in columns 30 through 41.
- v. Field Tax Rate contains a value of **0000** in columns 42 through 45.
- vi. Field Exemption Code contains a value of **00** in columns 46 through 47.
- vii. Field FWT Tax Amount contains a value of all **0** in columns 48 through 59.
- viii. Field Employee Account ID contains a value of **901000006** in columns 72 through 91.
- ix. Field Recipient Code contains a value of **01** in columns 92 through 93.
- x. Field Employee SSN contains a value of **601555006** in columns 349 through 357.

Record 19 Employee ID: **901000011**

Verify that

- i. Field Income Code contains **15** in columns 4 through 5.
- ii. Field Gross Paid contains **18000** in column 6 through 17.
- iii. Field Withholding Allowance contains a value of all **blank** in columns 18 through 29.
- iv. Field Net Income Amount contains a value of all **blank** in columns 30 through 41.
- v. Field Tax Rate contains a value of **3000** in columns 42 through 45.
- vi. Field Exemption Code contains a value of **00** in columns 46 through 47.
- vii. Field FWT Tax Amount contains a value of all **5400** in columns 48 through 59.
- viii. Field Employee Account ID contains a value of **901000011** in columns 72 through 91.
- ix. Field Recipient Code contains a value of **01** in columns 92 through 93.
- x. Field Employee SSN contains a value of **601555011** in columns 349 through 357.

Record 22 Employee ID: **501000044**

Verify that

- i. Field Income Code contains **15** in columns 4 through 5.
- ii. Field Gross Paid contains **88831** in column 6 through 17.
- iii. Field Withholding Allowance contains a value of all **blank** in columns 18 through 29.
- iv. Field Net Income Amount contains a value of all **blank** in columns 30 through 41.
- v. Field Tax Rate contains a value of **0000** in columns 42 through 45.
- vi. Field Exemption Code contains a value of **00** in columns 46 through 47.
- vii. Field FWT Tax Amount contains a value of all **0** in columns 48 through 59.
- viii. Field Employee Account ID contains a value of **501000044** in columns 72 through 91.
- ix. Field Recipient Code contains a value of **01** in columns 92 through 93.
- x. Field Employee SSN contains a value of all **501555044** in columns 349 through 357.

Verify the data on the 'C' (Reconciliation) Type record:

Record 28

Verify that

- i. Field Q Record Count contains a value of **25** in columns 2 through 9.
- ii. Field Gross Total contains a value of **627167** in columns 16 through 30.
- iii. Field FWT Tax Total contains **39375** in columns 31 through 45.

Verify the data on the 'F' (End of Transmission) Type record:

Record 29

Verify that field Record Sequence Number contains a value of 00000029 in columns 771 through 778.

1042-S Extract Tax Reporting File (X1042FLE)

We are extracting Post Docs into this file.

Verify the data on the EDB Extract records:

Record 2:

Employee ID - 501000001 SSN - 501555001 (NUGA, CHAT A.)

Verify that

- i. Field Employee SSN contains a value of all **501555001** in columns 1 through 9.
- ii. Field Employee ID contains a value of **501000001** in columns 10 through 18.
- iii. Field Fellowship Gross contains **24000.00** in columns 356 through 360 (Packed).
- iv. Field FWT Tax contains **0** in column 361 through 365 (Packed).
- v. Field Exemption Code contains a value of **0** in column 366.
- vi. Field Tax Rate contains a value of **00** in columns 367 through 368.
- vii. Field Income Code contains a value of **15** in columns 369 through 370.
- viii. Field Recipient Code contains a value of **01** in columns 371 through 372.

Record 28:

Employee ID - 901000008 SSN - 601555008 (DOKLEY, OAKLEY)

Verify that

- ix. Field Employee SSN contains a value of all **601555008** in columns 1 through 9.
- x. Field Employee ID contains a value of **901000008** in columns 10 through 18.
- xi. Field Fellowship Gross contains **15000.00** in columns 356 through 360 (Packed).
- xii. Field FWT Tax contains **21000.00** in column 361 through 365 (Packed).
- xiii. Field Exemption Code contains a value of **0** in column 366.
- xiv. Field Tax Rate contains a value of **14** in columns 367 through 368.
- xv. Field Income Code contains a value of **15** in columns 369 through 370.
- xvi. Field Recipient Code contains a value of **01** in columns 371 through 372.

Use the following testing grid to test the 1042-S changes for selection criteria, edits, forms, and reports for adding Post Docs into the 1042-S process. All the changes discussed in the testing grid are included in the changed EDB.

Testing Verification:

Objective: Various changes were made to the 1042-S process as part of the changes specified in Service Request 16993. Verify that the modifications are correct as outlined below.

1042-S Verification Grid								
Note: The 1042-S process selects employees based on the employee citizenship code and an employee having at least one of the following grosses: YTD Tax Treaty Gross, YTD Alt Tax Treaty Gross or YTD Fellowship gross.								
Employee ID	YTD Tax Treaty Gross	YTD Alt Tax Treaty Gross	YTD Fellowship Gross	Selected for 1042-S Process	1042-S Form Generated	PPP730 Report (Y/N)	Magnetic Media (Y/N)	Comment
901000001	Yes	No	No	Yes	Yes	Yes	Yes	
901000017	No	Yes	No	Yes	Yes	Yes	Yes	
901000004	No	No	Yes	Yes	Yes	Yes	Yes	
901000013	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
901000002	Yes	Yes	No	Yes	Yes	Yes	Yes	
901000005	No	Yes	Yes	No	No	No	No	Employee has a citizenship code of "X"
901000012	Yes	No	Yes	Yes	Yes	Yes	Yes	
901000003	No	No	No	No	No	No	No	Employee has no grosses that meet the selection criteria

Verification:

1. Selected for 1042-S

- Verify that the employees listed in the above grid are selected for the 1042-S process. **Note:** Employees 901000003 and 901000005 are not selected.

2. 1042-S Form

- Verify that the employees listed in the above grid are selected for printing on the 1042-S form. **Note:** Employees 901000003 and 901000005 are not selected.
- For employee 901000001, verify that the YTD tax treaty amount, \$14,607 appears in box 2; and \$14,607 appears on line 3 as a total amount.
- For employee 901000017, verify that the YTD alt tax treaty amount, \$5,000 appears in box 2; and \$5,000 appears on line 3 as a total amount.

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- For employee 901000004, verify that the YTD fellowship amount, \$21,000 appears in box 2; and \$21,000 appears on line 3 as a total amount. Verify "04" appears in box 6 (this employee is exempt under the tax treaty).
- For employee 901000013, verify that the YTD tax treaty amount, \$22,200 appears in box 2; and fellowship amount, \$5,000 appears in box 2; and \$27,200 on line 3 as a total amount. On page 2, verify that the fellowship amount, \$5000 appears in box 2; and \$5000 appears on line 3 as a total amount.
- For employee 901000002, verify that the YTD tax treaty amount, \$17,697 appears in box 2; and the fellowship amount, \$5,000 appears in box 2; and \$22,697 appears on line 3 as a total amount.
- For employee 901000012, verify that the YTD tax treaty amount, \$21,000 appears in box 2; and the fellowship amount, \$5,000 appears in box 2; and \$26,000 appears on line 3 as a total amount.

3. Report PPP7308

- For employee, 901000001, verify that the tax treaty amount, \$14,607 appears under the column header, "TT YTD/ALT YTD/AP Gross/Fellowship" as the first entry.
- For employee, 901000017, verify that the alt tax treaty amount, \$5,000 appears under the column header, "TT YTD/ALT YTD/AP gross/Fellowship" as the second entry.
- For employee, 901000004, verify that the fellowship gross, \$21,000 appears under the column header, "TT YTD/ALT YTD/AP Gross/Fellowship" as the fourth entry.
- For employee, 901000013, verify that the tax treaty amount, \$22,200 appears under the column header, "TT YTD/ALT YTD/AP Gross Fellowship" as the first entry; the alt tax treaty amount, \$5,000 appears under the column header, "TT YTD/ALT YTD/AP Gross/Fellowship" as the second entry; the fellowship gross, \$5,000 appears under the column header, "TT YTD/ALT YTD/AP Gross/Fellowship" as the fourth entry.
- For employee, 901000002, verify that the tax treaty amount, \$17,697 appears under the column header, "TT YTD/ALT YTD/AP Gross/Fellowship" as the first entry; the alt tax treaty, \$5000 appears under the column header, "TT YTD/ALT YTD/AP Gross/Fellowship" as the second entry.
- For employee, 901000012, verify that the tax treaty amount, \$21,000 appears under the column header, "TT YTD/ALT YTD/AP Gross/Fellowship" as the first entry; the fellowship amount, \$5,000 appears under the column header, "TT YTD/ALT YTD/AP Gross/Fellowship" as the fourth entry.

4. Report PPP7303

- Verify that the new fellowship gross amount appears on this report.

5. Report PPP7305

Verify that the new fellowship gross amount appears on this report.

Print 1042-S Copies “B” and “C” (PRT1042A)

This job prints the employee copies of the 1042-S forms created by PPP730 (PDS X1042FRM) using OGL. Verify that the Tax Reporting Year of ‘2005’ is displayed on the Laser Forms.

Your campus may have different procedures for the actual printing of the 1042-S forms.

Print 1042-S Copy “E” (PRT1042B)

This job prints the employer copy of the 1042-S forms created by PPP730 (PDS X1042CPY) using OGL. Verify that the Tax Reporting Year of ‘2005’ is displayed on the Laser Forms.

Your campus may have different procedures for the actual printing of the 1042-S forms.