

Test Plan
RELEASE 1753

2006 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 1753. 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. 2006 1042-S Process (RUN730)
4. 1042-S Laser Form Copies 'B' and 'C' (PRT1042A)

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 data base. 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.

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.

2006 1042-S Changes (RUN730)

Description

This job executes the year-end 1042-S Reporting Process. The year is specified on the Specification record as '06' in columns 12 through 13.

Verification

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

PPP7302 (Error and Warning Messages Report) (REPORTS PDS, member PPP7302)

- Verify that messages 73-116 (**FELLOWSHIP GROSS YTD IS NEGATIVE**) is issued for Employee Social Security Numbers of '601-55-5003', '601-55-5004', '601-55-5008', and '601-55-5018'.
- Verify that messages 73-117 (**FELLOWSHIP TAX WITHHELD IS NEGATIVE**) is issued for Employee Social Security Number of '601-55-5019'.

PPP7308 (1042-S Data Selected From EDB and AP Report) (REPORTS PDS, member PPP7308)

- Verify the Employee IDs listed in the following table to the Report PPP7308. In addition, verify specific employees listed on the report have the words "**Editing Errors**" displayed above the employee's name; these same employees should appear on the PPP7309 Report as well.
- Verify that Employee IDs of 601000010 (Citizenship Code = C), 601000011 (Citizenship = C), 601000012 (Citizenship = P), 601000013 (Citizenship Code = R), 601000014 (Citizenship Code = R), 601000015 (Citizenship Code = X), and 601000016 (Citizenship Code = X) are not listed on this report. These employees have a Citizenship Code of 'C', 'P', 'R', or 'X', and therefore are not selected for the 1042-S process.

Employee ID	Name	*** EDITING ERRORS?
756954901	UBLE, VAL	Yes
569900666	DINNER, BUFFY	
559900999	AP-ACCOUNTS, REC03	Yes
135790999	TICKLEY, FRAN	
112233449	AP-ACCOUNTS, REC06	
897867675	DORR, MATT A.	Yes
N/A	MAIKET, WILLY	Yes
501000005	BOT, NAN O.	Yes
501000010	MANN, FUN E.	Yes
501000042	VILLE, EMERY	Yes
501000043	DALE, CLYDE S.	Yes
998877677	REC6, ACCOUNT	
998888888	AP-ACCOUNTS, REC11	Yes

Employee ID	Name	*** EDITING ERRORS?
998888889	REC07,ACCOUNTS	Yes
999900000	AP-ACCOUNTS,REC13	Yes
601000001	TEST1, JOHN	Yes
601000002	TEST2, JOHN	Yes
601000003	TEST3, JOHN	Yes
601000004	TEST4, JOHN	Yes
601000005	TEST5, JOHN	
601000006	TEST6, JOHN	Yes
601000007	TEST7, JOHN	Yes
601000008	TEST8, JOHN	Yes
601000018	TEST18, JOHN	Yes
601000019	TEST19, JOHN	Yes
N/A	REC13,ACCOUNT	
701000010	KRAMER, MADISON D	
701000011	DAVIS,EDWARD C	
701000012	OAKLAND, DANIEL B	
701000013	ENCINO, WENDALL D	
701000014	PRICewater, JAMES E	
701000015	DOLITTLE, JIM P	
701000016	JOHNSON, JEROME M	
701000017	SACRAMENTO, JERRY B	
701000018	BASEBALL, MARGRET W	
701000019	TUCKER, RICHARD J	
701000020	SMALLIE, PHIL G	
N/A	REC14,ACCOUNT	
977888888	TONE,BARRY	Yes

PPP7309 (1042-S Error Conditions Report) (REPORTS PDS, member PPP7309)

Verify the Employee IDs and displayed error messages listed in the following table to the Report PPP7309.

Employee ID	Name	Error Messages	Comments
756954901	UBLE,VAL	SOC SEC NUMBER IS BLANK OR INVALID POSTAL CODE FOR CANADA IS INVALID	
559900999	AP-ACCOUNTS,REC03	THE FEDERAL TAXES ARE UNDER WITHHELD THE FEDERAL TAXES ARE OVER REPORTED	Reported as 975.00 - should be 980.00 Reported as 2040.00 - should be 2030.00
897867675	DORR,MATT A.	ADDRESS CODE FOREIGN, STATE CODE NOT NECESSARY NET INCOME VALID FOR INCOME CODES 15 THROUGH 19 ONLY	
N/A	MAIKET,WILLY	ADDRESS CODE IS DOMESTIC, FOREIGN COUNTRY CODE NOT NECESSARY ADDRESS CODE IS DOMESTIC, STATE CODE BLANK ZIP CODE IS BLANK POSTAL CODE FOR CANADA IS INVALID	
501000005	BOT, NAN O.	TAX TREATY GROSS AMOUNT IS REQUIRED	
501000010	MANN, FUN E.	TAX TREATY GROSS AMOUNT IS REQUIRED	
501000042	VILLE, EMERY	TAX TREATY GROSS AMOUNT IS REQUIRED	
501000043	DALE, CLYDE S.	TAX TREATY GROSS AMOUNT IS REQUIRED	
998888888	AP-ACCOUNTS,REC11	IF RECIPIENT IS 20, NAME MUST BE UNKNOWN IF RECIPIENT IS 20, NAME-2 AND ADDR	

Employee ID	Name	Error Messages	Comments
		MUST BE BLANK	
998888889	REC07,ACCOUNTS	IF RECIPIENT IS 20, NAME MUST BE UNKNOWN IF RECIPIENT IS 20, NAME-2 AND ADDR MUST BE BLANK IF RECIPIENT IS 20, TAX RATE MUST BE 30% IF RECIPIENT IS 20, EXEMPT CODE CANNOT BE 4	
999900000	AP-ACCOUNTS,REC13	THE FEDERAL TAXES ARE OVER REPORTED THE FEDERAL TAXES ARE UNDER WITHHELD	Reported as 995.00 - should be 980.00 Reported as 5.81 - should be 36.00
601000001	TEST1, JOHN	TAX TREATY GROSS AMOUNT IS REQUIRED	
601000002	TEST2, JOHN	EMPLOYEE HAS 1 OR MORE NEGATIVE REPORTABLE AMOUNTS	
601000003	TEST3, JOHN	TAX TREATY GROSS AMOUNT IS REQUIRED EMPLOYEE HAS 1 OR MORE NEGATIVE REPORTABLE AMOUNTS	YTD fellowship Gross of 5000.00 is negative
601000004	TEST4, JOHN	TAX TREATY INDIVIDUAL AND TAXES WITHHELD EMPLOYEE HAS 1 OR MORE NEGATIVE REPORTABLE AMOUNTS	Citizenship Code 'E' should not have taxes withheld YTD fellowship Gross of 6000.00 is negative
601000006	TEST6, JOHN	TAX TREATY GROSS AMOUNT IS REQUIRED EMPLOYEE HAS 1 OR MORE NEGATIVE REPORTABLE AMOUNTS	
601000007	TEST7, JOHN	THE FEDERAL TAXES ARE UNDER WITHHELD TAX TREATY GROSS AMOUNT IS REQUIRED	Reported as 700.00 - should be 2100.00
601000008	TEST8, JOHN	THE FEDERAL TAXES ARE OVER REPORTED TAX TREATY GROSS AMOUNT IS REQUIRED ALT TT INCOME CODE REQUIED FOR ALT TT GROSS EMPLOYEE HAS 1 OR MORE NEGATIVE REPORTABLE AMOUNTS	Reported as 700.00 - Negative Fellowship Gross caused calculated tax to be negative YTD fellowship Gross of 5000.00 is negative
601000018	TEST18, JOHN	THE FEDERAL TAXES ARE OVER REPORTED TAX TREATY GROSS AMOUNT IS REQUIRED EMPLOYEE HAS 1 OR MORE NEGATIVE REPORTABLE AMOUNTS	Reported as 700.00 - Negative Fellowship Gross caused calculated tax to be negative YTD Fellowship Gross of 5000.00 is negative
6010000019	TEST19, JOHN	TAX TREATY INDIVIDUAL AND TAXES WITHHELD TAX TREATY GROSS AMOUNT IS REQUIRED EMPLOYEE HAS 1 OR MORE NEGATIVE REPORTABLE AMOUNTS	Citizenship Code 'E' should not have taxes withheld YTD Fellowship Tax Withheld of 1000.00 is negative
977888888	TONE, BARRY	THE FEDERAL TAXES ARE OVER REPORTED	Reported as 19.15 - should be 18.15

1042-S Reporting Data File (X1042FLE)

- Verify on the Header record (record 1) that positions 19 through 22 contain the year of '2006'.
- Derivation of the U.S. Federal Tax Withheld Indicator value:

If the 1042-S data is from the EDB and YTD Fellowship Gross is not zero, the following formula is used to determine the U.S. Federal Tax Withheld Indicator value:

Calculated YTD Federal Tax Withheld = (YTD Fellowship Gross – Withholding Allowance) x Post Doctoral Tax Rate

The U.S. Federal Tax Withheld Indicator value is set to ‘0’ for any of the following conditions:

The YTD Fellowship Gross is zero, or
The YTD Fellowship Gross is not zero and the Citizenship Code (EDB 0109) is ‘E’ or ‘F’ and YTD Fellowship Federal Taxes Withheld (636-Y) is equal to zero.

The U.S. Federal Tax Withheld Indicator value is set to ‘1’ for any of the following conditions:

The YTD Fellowship Gross is not zero, and Citizenship Code is ‘E’ or ‘F’,
And reported YTD Fellowship Federal Taxes Withheld is not zero.

OR

The YTD Fellowship Gross is not zero, and Citizenship Code is **not** ‘E’ or ‘F’, and
calculated YTD Fellowship Federal Tax Withheld is less than reported YTD Fellowship Federal Tax Withheld.

The U.S. Federal Tax Withheld Indicator value is set to ‘2’ for the following conditions:

The YTD Fellowship Gross is not zero, and Citizenship Code is not ‘E’ or ‘F’, and
Calculated YTD Fellowship Federal Tax Withheld is greater than reported YTD Fellowship Federal Tax Withheld

If the 1042-S data is from the Accounts Payable Interface File, the following appropriate formula is used to determine the U.S. Federal Tax Withheld Indicator value:

If data origin is ‘P’ (Accounts Payable Interface File), and Income Code is in the range of ‘15’ through ‘19’:

Calculated YTD Federal Tax Withheld = (YTD Accounts Payable Gross – Withholding Allowance) x Accounts Payable Tax Rate

If data origin is ‘P’ (Accounts Payable Interface File), and Income Code is not in the range of ‘15’ through ‘19’:

Calculated YTD Federal Tax Withheld = YTD Accounts Payable Gross x Accounts Payable Tax Rate

Verify the U.S. Federal Tax Withheld Indicator value in column 310 on the 1042-S Reporting Data File for the following employees listed in the table below:

Record	Employee ID/Data Origin	Name/Income Code	Formula Used	Expected Result
4	559900999 /I	AP-ACCOUNTS,REC03/ 15	Calculated YTD Federal Tax Withheld = (YTD Gross - Withholding Allowance) x Tax Rate 980.00 = (15,000.00 - 8000.00) x 14.	Reported Tax withheld = 975.00 . Therefore, U.S. Federal Tax Withheld Indicator is set to '2' (Federal Tax under withheld)
18	999900000 /I	AP-ACCOUNTS,REC13/50	Calculated YTD Federal Tax Withheld = YTD Gross x Tax Rate 980.00 = 7,000.00 x 14.	Reported Tax withheld = 995.00 . Therefore, U.S. Federal Tax Withheld Indicator is set to '1' (Federal Tax over withheld)
21	601000001 /P	TEST1, JOHN	Calculated YTD Federal Tax Withheld = (YTD Gross - Withholding Allowance) x Tax Rate	YTD Fellowship Gross = 5,000.00 . Reported YTD Fellowship Taxes Withheld = 0.00 . Citizenship Code is 'E'. Therefore, U.S. Federal Tax Withheld Indicator is set to '0' .
24	601000004 /P	TEST4, JOHN	Calculated YTD Federal Tax Withheld = (YTD Gross - Withholding Allowance) x Tax Rate	YTD Fellowship Gross = -6,000.00. YTD Fellowship Taxes Withheld = 560.00. Citizenship Code of 'F' should not have reported YTD Fellowship Taxes Withheld. Therefore, U.S. Federal Tax Withheld Indicator is set to '1' (Federal Tax over withheld).
25	601000005 /P	TEST5, JOHN	Calculated YTD Federal Tax Withheld = (YTD Gross - Withholding Allowance) x Tax Rate	YTD Fellowship Gross = zero. YTD Fellowship Taxes Withheld = zero. Therefore, U.S. Federal Tax Withheld Indicator is set to '0' .
27	601000007 /P	TEST7, JOHN	Calculated YTD Federal Tax Withheld = (YTD Gross - Withholding Allowance) x Tax Rate 2100.00 = (15,000.00 - 0.00) x 14.	Citizenship Code = 'N'. YTD Fellowship Gross = 15,000.00. YTD Fellowship Taxes Withheld = 700.00. Tax Rate = 14. Reported YTD Fellowship Taxes Withheld = 700.00. Therefore, U.S. Federal Tax Withheld Indicator is set to '2' .

'T' Type record:

Record 1

Verify that field Tax Year contains a value of **2006** in columns 2 through 5.

'W' Type record:

Record 2

- Verify that the Payment Year field contains a value of **2006** in columns 269 through 272.
- Verify that the Withholding Agent Contact Name field contains a value of 'JOHN BROWN' in columns 273 through 317.
- Verify that the Withholding Agent's Department Title field contains a value of 'FINANCIAL SERVICES' in columns 318 through 362.
- Verify that the existing Contact Phone Number and Extension field contains a value of '9879876543987' in columns 363 through 382.
- Verify that the existing Final Return Indicator field contains a value of '0' in column 383.

'Q' Type record:

Verify the U.S. federal tax Withheld Indicator value in position 761 in the following records:

Record 03

Record contains 1042-S data for Employee ID **559900999**. The reported Accounts Payable Tax Treaty Income Code is '15' (Positions 4 through 5) and reported YTD Accounts Payable Gross is 15000.00 (Positions 6 through 17). YTD Withholding Allowance is 8000.00 (Positions 18 through 29), YTD Accounts Payable Net Income is 7000.00 (Positions 30 through 41), Accounts Payable Tax Withheld is 975.00 (Positions 48 through 59), and Rate is 14 (Positions 42 through 43) are reported. **Position 761 contains the U.S. Federal Tax Withheld Indicator value of '2'.**

Record 04

Record contains 1042-S data for Employee ID **559900999**. The reported Accounts Payable Tax Treaty Income Code is '16' (Positions 4 through 5) and reported YTD Accounts Payable Gross is 145000.02 (Positions 6 through 17). YTD Withholding Allowance is 0.00 (Positions 18 through 29), YTD Accounts Payable Net Income is 14500.02 (Positions 30 through 41), Accounts Payable Tax Withheld is 2040.00 (Positions 48 through 59), and Rate is 14 (Positions 42 through 43) are reported. **Position 761 contains the U.S. Federal Tax Withheld value of '1'.**

Record 07

Record contains 1042-S data for Employee ID **999900000**. The reported Accounts Payable Tax Treaty Income Code is '15' (Positions 4 through 5) and reported YTD Accounts Payable Gross is 7000.00 (Positions 6 through 17). YTD Withholding Allowance is 1000.00 (Positions 18 through 29), YTD Accounts Payable Net Income is 6000.00 (Positions 30

through 41), Accounts Payable Tax Withheld is 840.00 (Positions 48 through 59), and Rate is 14 (Positions 42 through 43) are reported. **Position 761 contains the U.S. Federal Tax Withheld value of '0'.**

Record 08

Record contains 1042-S data for Employee ID **999900000**. The reported Accounts Payable Tax Treaty Income Code is '50' (Positions 4 through 5) and reported YTD Accounts Payable Gross is 7000.00 (Positions 6 through 17). YTD Withholding Allowance is 0.00 (Positions 18 through 29), YTD Accounts Payable Net Income is 7000.00 (Positions 30 through 41), Accounts Payable Tax Withheld is 995.00 (Positions 48 through 59), and Rate is 14 (Positions 42 through 43) are reported. **Position 761 contains the U.S. Federal Tax Withheld value of '1'.**

Record 09

Record contains 1042-S data for Employee ID **999900000**. The reported Accounts Payable Tax Treaty Income Code is '28' (Positions 4 through 5) and reported YTD Accounts Payable Gross is 300.50 (Positions 6 through 17). YTD Withholding Allowance is 0.00 (Positions 18 through 29), YTD Accounts Payable Net Income is 300.50 (Positions 30 through 41), Accounts Payable Tax Withheld is 0.00 (Positions 48 through 59), and Rate is 00 (Positions 42 through 43) are reported. **Position 761 contains the U.S. Federal Tax Withheld value of '0'.**

Record 10

Record contains 1042-S data for Employee ID **999900000**. The reported Accounts Payable Tax Treaty Income Code is '16' (Positions 4 through 5) and reported YTD Accounts Payable Gross is 900.10 (Positions 6 through 17). YTD Withholding Allowance is 0.00 (Positions 18 through 29), YTD Accounts Payable Net Income is 900.10 (Positions 30 through 41), Accounts Payable Tax Withheld is 5.81 (Positions 48 through 59), and Rate is 04 (Positions 42 through 43) are reported. **Position 761 contains the U.S. Federal Tax Withheld value of '2'.**

Record 30

Record contains 1042-S data for Employee ID **601000001**. The reported Alternate Tax Treaty Income Code is '18' (Positions 4 through 5) and reported YTD Alternate tax Treaty Gross is 1500.00 (Positions 6 through 17). No Federal Taxes Withheld (Positions 48 through 59) and no Rate (Positions 42 through 43) are reported. **Position 761 contains the U.S. Federal Tax Withheld Indicator value of '0'.**

Record 31

Record contains 1042-S data for Employee ID **601000001**. The reported Fellowship Tax Treaty Income Code is '15' (Positions 4 through 5) and reported YTD Fellowship Gross is 5000.00 (Positions 6 through 17). No Federal Taxes Withheld (Positions 48 through 59) and no Rate (Positions 42 through 43) are reported. **Position 761 contains the U.S. Federal Tax Withheld Indicator value of '0'.**

Record 34

Record contains 1042-S data for Employee ID **601000007**. The reported Fellowship Tax Treaty Income Code is '15' (Positions 4 through 5) and reported YTD Fellowship Gross is 15000.00 (Positions 6 through 17). YTD Fellowship Federal Taxes Withheld is 700.00 (Positions 48 through 59), Rate is 14 (Positions 42 through 43) are reported. **Position 761 contains the U.S. Federal Tax Withheld Indicator value of '2'**.

Record 36

Record contains 1042-S data for Employee ID **977888888**. The reported Accounts Payable Tax Treaty Income Code is '15' (Positions 4 through 5) and reported YTD Accounts Payable Gross is 5000.35 (Positions 6 through 17). YTD Withholding Allowance is 500.90 (Positions 18 through 29), YTD Accounts Payable Net Income is 4499.45 (Positions 30 through 41), Accounts Payable Tax Withheld is 179.98 (Positions 48 through 59), and Rate is 04 (Positions 42 through 43) are reported. **Position 761 contains the U.S. Federal Tax Withheld Indicator value of '0'**.

Record 37

Record contains 1042-S data for Employee ID **977888888**. The reported Accounts Payable Tax Treaty Income Code is '19' (Positions 4 through 5) and reported YTD Accounts Payable Gross is 60.59 (Positions 6 through 17). YTD Withholding Allowance is 0.00 (Positions 18 through 29), YTD Accounts Payable Net Income is 0.00 (Positions 30 through 41), Accounts Payable Tax Withheld is 19.15 (Positions 48 through 59), and Rate is 30 (Positions 42 through 43) are reported. **Position 761 contains the U.S. Federal Tax Withheld Indicator value of '1'**.

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 '2006' and the text of 'OMB No. 1545-0096' are displayed on the 1042-S Laser Forms. In addition, verify that only two check-off boxes and the words 'AMENDED'; and 'PRO-RATA BASIS REPORTING' are displayed below the line 'Subject to Withholding'.

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