

Test Plan
RELEASE 1567
Dependent Reporting Changes

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Testing Overview

This test plan addresses the test runs and cases constructed to verify the correct installation of Release 1567. The test is made up of the following components:

- Control Table Data Base (CTL) Initial Load (LOADCTL)
- 2. Employee Data Base (EDB) Initial Load (LOADEDDB)
- 3. Test Changes for Other Child Verification Report – Program PPP881
- 4. Test Changes for Duplicate Insurance Coverage Report – Program PPP882
- 5. Test Changes for Missing Social Security Number Report – Program PPP883

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.

Test Changes for Other Child Verification Report (PPP881)

Description

Program PPP881 produces the Other Child Verification Report PPP8811 in Employee Name Order. The changes to this program are:

1. The current selection criteria has been further refined so that the program determines if the Employee has a current enrollment in the corresponding plan before determining if the dependent is currently enrolled, as follows:

- If there is an employee level Coverage End Date in the current month or prior,
- and either no Future Coverage Effective Date or the Future Coverage Effective Date is more than one day after the Coverage End Date,

then no dependents will be selected as having current enrollment in that plan.

2. The 'Other Child' report produced by program PPP881 currently displays dependents with 'G', 'K', 'O', 'P' and 'W' Dependent Relationship to Employee codes. This program has been modified so that the 'Other Child' report only displays dependents with Dependent Relationship to Employee code of 'O', other child.

Now we test the above selection criteria changes for the program PPP881. RUN881 is the JCL for running the changed version of the program PPP881.

Test #1 – Test to verify the program only selects Dep to Emp Relation Code 'O':

Run the job RUNQUERY which selects all the dependents from PPPDEP whose Dependent Relationship to Employee codes is 'O', other child. Results are shown below:

Employee ID	Employee Name	Dep Num	Dep to Emp Rel Code	Dependent Name
000050066	BUSSES,CARSON	01	O	BUSSES,O1
333333021	EMPLOYEE021, TEST021	01	O	EMPLOYEE021, OTHER CHILD
333333033	EMPLOYEE033, TEST033	03	O	OTHER, CHILD
333333035	EMPLOYEE035, TEST035	03	O	OTHER, CHILD
000050026	FORMABABY,JUAN	02	O	FORMABABY,O1
000050129	TICKLEY,FRAN	01	O	TICKLEY,O1

Run the job RUN881 (Changed program PPP881) against the EDB loaded earlier.

After successful completion of job RUN881, verify that all of the dependents displayed in report PPP8811 are in the above table. Note that employee 333333033, above, is not on report PPP8811. See test #3.

In RUNQUERY there is a query to get all the benefit end dates for the employees where at least one of the dependents has a Dependent Relationship to Employee Code of 'O'. Results are shown below:

Employee ID	Medical Cov End Date	Dental Cov End Date	Vision Cov End Date	Legal Cov End Date
000050026	01/01/0001	01/01/0001	01/01/0001	01/01/0001
333333035	01/01/0001	04/15/2004	04/30/2004	05/21/2004
000050066	01/01/0001	01/01/0001	01/01/0001	01/01/0001
333333021	04/30/2004	01/01/0001	01/01/0001	01/01/0001
333333033	04/30/2004	04/30/2004	04/30/2004	04/30/2004
000050129	01/01/0001	01/01/0001	01/01/0001	04/30/2004

Test #2 – Verify that dependent is not displayed when employee’s coverage is ended:

Note from the table above that for employee 333333021 **medical** coverage is ended. In report PPP8811 verify that the ‘other child’ dependent 01 of this employee does not have medical coverage displayed. Verify that this dependent is shown as having legal coverage.

Note from the table above that for employee 000050129 **legal** coverage is ended. In report PPP8811 verify that the ‘other child’ dependent 02 of this employee does not have legal coverage displayed. Verify that this dependent is shown as having medical and dental coverage.

Test #3 – Verify that when all employee level benefit coverage end dates are on or before month end the employee and ‘other child’ dependent are not selected:

Note from the table above that for employee 333333033 **medical, dental, vision and legal** coverages are ended. In report PPP8811 verify that this employee is not displayed even though he has an ‘other child’ dependent with dental, vision, and legal DCEDs.

Test #4 – Verify that a future coverage effective date more than one day after the coverage end date is treated as if coverage has ended, otherwise as continuous coverage:

From the table above for the employee 333333035 we can notice that this employee's **dental is ended on 4/15/2004 and vision is ended on 04/30/2004.**

In the report PPP8811, the 'other child' dependent is shown enrolled in dental but not in vision. This is because of the future coverage effective date for these coverages. Check the future coverage effective dates for the employee **333333035** in the future coverage benefit table **PPFFCB** like below:

<u>PPFFCB Column Name</u>			<u>Value Record1</u>	<u>Value Record2</u>
EMPLOYEE_ID	CHAR(9)	PRIM	333333035	333333035
FCB_BENEFIT_TYPE	CHAR(1)	PRIM	D	V
FCB_COVEFF_DATE	DATE	PRIM	04/16/2004	05/02/2004
FCB_COV_END_DATE	DATE		01/01/0001	01/01/0001
FCB_COVERAGE_CODE	CHAR(3)			
FCB_ENRL_REAS_CODE	CHAR(2)		LV	OR
FCB_PLAN_INFO_DATA	CHAR(6)		D3	VI
FCB_ADC_CODE	CHAR(1)		A	A

From this record, we can notice that dental future effective date 04/16/2004 is just one day after the dental coverage end date of 04/15/2004. We can also notice that the vision future coverage effective date 05/02/2004 is two days after the vision coverage end date of 04/30/2004.

Test Changes for Duplicate Insurance Coverage Report (PPP882)

Description

Program PPP882 produces two reports: PPP8821, Duplicate Insurance Coverage Report-Employees, & PPP8822, Duplicate Insurance Coverage Report – Dependents.

The program correctly considers employee-level coverage end dates when determining a current enrollment for an employee. However, the program reports an employee as having duplicate coverage if the employee has the same SSN as a dependent who was previously covered by an employee who has ended coverage.

The current selection criteria will be further refined so that it first checks the employee-level Coverage End Date and any Future Coverage Effective Date for the corresponding plan before determining if the dependent is currently enrolled, as follows:

- If the employee has a Coverage End Date that is in the current month or prior,
- and there is no Future Coverage Effective Date, or the Future Coverage Effective Date is more than one day later than the Coverage End Date,

then no dependents will be selected as being enrolled in that plan.

Now we test the above selection criteria changes for the program PPP882. RUN882 is the JCL for running the changed version of the program PPP882.

Test #1 – Test to verify the report selects enrolled dependents with duplicate SSNs:

Run the job RUNQRY2 which selects all the dependents from PPPDEP whose SSN is covered by more than 1 employee. Results are shown below:

Employee ID	Dependent Name	Dep Num	Dependent SSN
000050002	POWERS,S1	01	543768091
000050004	ATTRICK,S1	01	543768091
777555019	DEPENDENT,TESTING	01	333444555
777555023	WILLIAMS,TONY	01	222333444
777555003	MILDER,SARAH	01	333444555
777555002	HOLMES,WATSON	02	222333444

Run the job RUN882 (Changed program PPP882) against the EDB loaded earlier. After successful completion of the job RUN882, verify that all of the dependents displayed in the report PPP8822 are in the above table.

In RUNQRY2 there is a query to get all the benefit end dates for the employees where at least one of the dependents has duplicate insurance coverage. Results are shown below:

Employee ID	Health Cov End Date	Dental Cov End Date	Vision Cov End Date	Legal Cov End Date
000050002	05/31/2004	04/30/2004	04/30/2004	04/30/2004
000050004	01/01/0001	01/01/0001	01/01/0001	01/01/0001
777555002	04/30/2004	04/30/2004	04/30/2004	04/30/2004
777555003	04/30/2004	04/30/2004	04/30/2004	04/30/2004
777555019	01/01/0001	01/01/0001	01/01/0001	01/01/0001
777555023	01/01/0001	01/01/0001	01/01/0001	01/01/0001

Test #2 – Verify that when all employee level benefit coverage end dates are on or before month end, the dependents with duplicate SSN are not displayed:

Note from the table above for employee 777555002 that this employee's **medical, dental, vision and legal** coverages are ended. In report PPP8822 verify that dependents with SSN 222333444 are not displayed.

Test #3 – Verify that when employee's coverage has ended, the dependent is not considered to be covered:

Note from the table above for employee 000050002 that this employee's **medical is ended after the current month but all other benefits ended by end of this month**. In report PPP8822 verify that the dependent with SSN 543768091 only has medical coverage indicated as duplicate coverage and all others are saying 'NO' for the duplicate coverage.

Test #4 – Verify that a future coverage effective date more than one day after the coverage end date is treated as if coverage has ended, otherwise as if coverage is continuous:

From the table above for the employee 777555003 we can notice that this employee's **health, dental, vision and legal all are ended on 4/30/2004.**

In the report PPP8822, the dependents with SSN 333444555 is shown a duplicate coverage for dental only. This is because of the future coverage effective date for this coverage. Check the future coverage effective date record for dental for the employee 777555003 in the future coverage benefit table **PPFCB** like below:

<u>PPFCB Column Name</u>			<u>Value for the Record</u>
EMPLOYEE_ID	CHAR(9)	PRIM	777555003
FCB_BENEFIT_TYPE	CHAR(1)	PRIM	D
FCB_COVEFF_DATE	DATE	PRIM	05/01/2004
FCB_COV_END_DATE	DATE		01/01/0001
FCB_COVERAGE_CODE	CHAR(3)		
FCB_ENRL_REAS_CODE	CHAR(2)		LV
FCB_PLAN_INFO_DATA	CHAR(6)		D1
FCB_ADC_CODE	CHAR(1)		A

From this record, we can notice that the dental future effective date 05/01/2004 is one day later than the dental coverage end date of 04/30/2004.

Test #5 – Verify that when all employee level benefit coverage end dates are on or before month end, the employees with duplicate SSN are not displayed:

Note from the PPPBEN table for employee 000050005 that this employee's **medical, dental, vision and legal** coverages are ended. This employee's dependent 01 has the same SSN 987738762 as the employee 000050027 (health, dental and vision benefits not ended).

In report PPP8821 verify that employee 000050027 with SSN 987738762 is not displayed.

Test Changes for Missing SSN Report (PPP883)

Description

Program PPP883 produces two versions of the “Dependent Missing Social Security Number Report”, PPP8831 in Employee Name order and PPP8832 in Home Department order.

The current selection criteria will be further refined so that it only reports dependents with a current enrollment in a plan, as follows:

- If there is an employee-level Coverage End Date in the current or prior month and either no corresponding Future Coverage Effective Date or a Future Coverage Effective Date that is more than one day later than the Coverage End Date,
- or if there is a Dependent Coverage End Date that is prior to the current month

then no dependents will be considered enrolled in that plan.

Also the Missing Dependent SSN program will now be changed to produce 2 separate sets of reports, one for adult dependents and another for child dependents. The first report will list all adult dependents with ‘S’, ‘D’ and ‘A’ Dependent Relationship to Employee codes with a blank Dependent SSN value. The second report will list all child dependents with ‘C’, ‘G’, ‘K’, ‘O’, ‘P’ and ‘W’ Dependent Relationship to Employee codes with a blank Dependent SSN value.

The new specification record will allow the selection of any or all of the reports below:

Adult Dependents Missing SSNs by Employee Name
Adult Dependents Missing SSNs by Home Department
Child Dependents Missing SSNs by Employee Name
Child Dependents Missing SSNs by Home Department

Now we test the above selection criteria changes and splitting the reports for program PPP883. RUN883 is the JCL for running the changed version of the program PPP883.

Test #1 – Test to verify PPP883 splits adult and child dependent reports correctly:

Run the job RUN883 (Changed PPP883) against the EDB loaded previously.

After successful completion of the job RUN883, verify the reports PPP8831, PPP8832, PPP8834 and PPP8835 of the changed program run.

Verification:PPP8831 and PPP8832:

The report PPP8831 displays all the **adult** dependents in employee name order and PPP8832 displays all the adult dependents in home department order. Adult dependents are the dependents with the following Dependent Relationship To Employee Codes:

- 'S' - spouse
- 'D' - domestic partner
- 'A' - adult dependent relative

PPP8834 and PPP8835:

The report PPP8834 displays all the **child** dependents in employee name order and PPP8835 displays all the child dependents in home department order. Child dependents are the dependents with the following Dependent Relationship To Employee Codes:

- 'C' - child
- 'G' - grandchild
- 'K' - child/grandchild of domestic partner
- 'O' - other child
- 'P' - stepchild
- 'W' - legal ward

Run the job RUNQRY3 which selects all the dependents from PPPDEP whose SSN is missing and dependent to employee relationship code of 'S' – spouse, 'D' - domestic partner or 'A' - adult dependent relative. The results are shown below:

Employee ID	Employee Name	Dep Num	Dep to Emp Rel Code	Dep to Emp Rel Code	Home Dept
777555034	BENSON, HEIDI B	02	Domestic Partner	D	804918
701000050	JOHNSON, WENDALL T	02	Spouse	S	827701
000050041	SHARALIKE,SHARON	01	Domestic Partner	D	827701

Verify that dependents for 777555034 and 000050041 are displayed in the PPP8831 report. Note that 701000050 does not appear. See test #2.

Also verify that PPP8832 has the same records in the home department order.

Now in RUNQRY3 which selects all the dependents from PPPDEP whose SSN is missing and dependent to employee relationship code of 'C' – child, 'G' – grandchild, 'K' - child/grandchild of domestic partner, 'O' - other child, 'P' – stepchild or 'W' - legal ward.

The names of the employees whose dependents match the above condition are listed below:

Dep Num	Employee Name	Dep Num	Employee Name
01	BENSON, HEIDI B	01	MISTY, EDWINA E
02	BLOOPER, MISTY M	02	MISTY, EDWINA E
05	BLOOPER, MISTY M	03	MISTY, EDWINA E
02	BUSSES,CARSON	01	MOON, JOHNNIE J
02	CORNER, HENRY P	02	MOON, JOHNNIE J
01	DACKTUL, TERRY	03	MOON, JOHNNIE J
02	DACKTUL, TERRY	04	MOON, JOHNNIE J
02	DANVILLE, PETER W	02	MULE,RHODA
02	DAVIS, EDWARD C	02	OAKLAND, DANIEL B
02	DAVIS, JAMES W	01	OAKLAND, JERRY P
02	DOLITTLE, JIM P	01	PECKNER, MIKE P
03	EMPLOYEE001, TEST001	02	PECKNER, MIKE P
02	ENCINO, WENDALL D	01	PETERMAN, JAY P
02	FRANKLIN, RICHARD M	01	PRESENTTLYUNACCOUN, MARCUS
01	GOOD, PHILIP TOO	02	PRICE, ALBERT M
02	GOOD, PHILIP TOO	02	PRICEWATER, JAMES E
02	GREAT, RAUL THE	02	REDSTONE, KIMBERLY R
01	HOLMES, ESTHER M	02	ROUND, MERRY GO
03	IMPOSSIBLE, RICHARD THE	03	RUNNER, JAMES P
02	JOHNSON, WILLIAM H	02	RUNNINGMATE, PAUL CHRISTOP
02	KAISER, WILLIAM P	02	SEPTIC,ANNA
02	KRAMER, MADISON D	01	SKIER, CARLA C
01	LETTERMAN, WALTER P	02	SKIER, CARLA C
02	LINCOLN, RICHARD T	02	SMITH, JONATHAN M
01	LONGSTREET, PEPIE A	03	TELL, WILLIAM O
01	LUCKY, JAMES P	01	TESTCASE, FREDDIE L
02	LUCKY, JAMES P	02	TESTCASE, GREGORY W
01	MACAUTHUR, QUIMBY Q	02	UCOP, EDWARD FRANCIS
02	MACAUTHUR, QUIMBY Q	01	WEATHER, WENDY
02	MILDER, RAUL T	02	WILLIAMS, PAUL Q

Verify that all employees with their dependents in this new report PPP8834 are included in the list above. Note that not all employees and dependents above are on the report. See tests 2 and 3.

Also verify that PPP8835 has the same records as PPP8834 in the home department order.

In RUNQRY3 there is a query to get all the benefit end dates for the employees in the next test cases. The results are shown below:

Employee ID	Health Cov End Date	Dental Cov End Date	Vision Cov End Date	Legal Cov End Date
777555050	04/30/2004	04/30/2004	04/30/2004	04/30/2004
701000050	02/23/2004	02/23/2004	02/23/2004	02/23/2004
777555034	01/01/0001	04/30/2004	01/01/0001	01/01/0001

Test #2 – Verify that the employee’s dependents are not displayed on the PPP8831 & PPP8832 reports when all benefit coverage end dates are on or before month end:

From the table above for the employee 701000050, we can notice that this employee’s **medical, dental, vision and legal** coverages are ended. This employee has a spouse dependent 02, with a missing SSN and medical, dental, vision and legal DCEDs. In the report PPP8831 verify that employee 701000050 is not displayed.

Also verify that this employee is not displayed in report PPP8832.

Test #3 – Verify that the employee’s dependents are not displayed on the PPP8834 & PPP8835 reports when all benefit coverage end dates are on or before month end:

From the table above for employee 777555050, we notice that this employee’s **medical, dental, vision and legal** coverages are ended. This employee has a child dependent 01, with a missing SSN and medical, dental, vision and legal DCEDs. In report PPP8834 verify that employee 777555050 is not displayed.

Also verify that this employee is not displayed in report PPP8835.

Test #4 – Verify that a future coverage effective date more than one day after the coverage end date is treated as if coverage has ended, otherwise as if coverage is continuous:

From the table above for employee 777555034 notice that this employee’s **dental coverage ended on 4/30/2004.**

In the report PPP8831, the dependent is shown as enrolled in dental. This is because of the future coverage effective date for this coverage. Check the future coverage effective date record for dental for the employee 777555034 in the future coverage benefit table **PPFCB** like below:

<u>PPFCB Column Name</u>			<u>Value for the Record</u>
EMPLOYEE_ID	CHAR(9)	PRIM	777555034
FCB_BENEFIT_TYPE	CHAR(1)	PRIM	D
FCB_COVEFF_DATE	DATE	PRIM	05/01/2004
FCB_COV_END_DATE	DATE		01/01/0001
FCB_COVERAGE_CODE	CHAR(3)		
FCB_ENRL_REAS_CODE	CHAR(2)		LV
FCB_PLAN_INFO_DATA	CHAR(6)		D3
FCB_ADC_CODE	CHAR(1)		A

From this record, notice that dental future effective date 05/01/2004 is just one day after the benefit dental coverage end date of 04/30/2004. Because of this, dental is displayed for this employee as a continued coverage.

Test #5 – Verify that the dependent is not displayed at all when there are no current enrollment:

In RUNQRY3 there is a query to get all the dependent coverage end dates from the table PPPDEP for employee 777555004. The dates look like below:

Employee ID	Dependent Number	Medical Cov End Date	Dental Cov End Date	Vision Cov End Date	Legal Cov End Date
777555004	01	01/01/0001	01/01/0001	01/01/0001	01/01/0001
777555004	02	04/30/2004	04/30/2004	04/30/2004	01/01/0001

Dependent 02 has a blank SSN value.

This dependent's **coverage effective** dates are shown below.

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Dep Health COVEFFDT      01/04/2003
Dep Dental COVEFFDT      02/01/2000
Dep Vision COVEFFDT      06/01/2001
Dep Legal COVEFFDT       01/01/0001

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Dependent 02 has no legal effective date, and medical, dental, and vision coverage end dates are in the current month. Verify that employee 777555004 does not appear on report PPP8834.

Also verify that this employee is not displayed in report PPP8835.