

**Test Plan**  
**RELEASE 1482**

**Staff and Academic Reduction in Time (START)**

March 26, 2003  
11:30AM

Information Systems & Computing  
Office of the President  
University of California

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## **Testing Overview**

This test plan addresses the test runs and cases constructed to verify the correct installation of Release 1482. 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. History Database (HDB) Initial Load (LOADHDB)
4. EDB File Maintenance (EDBMAINT)
5. CPS/BCS Interface File (RUN711)
6. START Employee Participation Reporting (RUN695)
7. EDB/Entry On-line Testing
8. Web EDB Inquiry Testing

## **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 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.

## **HISTORY DATABASE (HDB) INITIAL LOAD (LOADHDB)**

### **Description**

This job loads the DB2 HDB database. The data is used to verify history START data in the PPPBAS table.

### **Verification**

Ensure that the DB2 HDB has been successfully restored by verifying normal completion of the job and ensuring that all tables have been successfully loaded into the database.

## **EDB File Maintenance (EDBMAINT)**

### **Description**

This job processes the transactions to update the employee's START data. The test cases used in batch EDB File maintenance are simple cases: All possible cases have been tested at UCOP from the users via CICS on-line system (See EDB/Entry Update on-line testing section of this document).

### **Verification**

#### **PPP1001 Report (REPORTS PDS, member (PPP1001))**

Verify the error messages for the following Employee IDs:

#### **Employee ID 000050002**

**Expected Result:** Since **not** all three START data have been entered, the following messages are displayed:

ELEMNT NUMBER	ELEMENT NAME	MESSAGE NUMBER	SEVERITY	MESSAGE TEXT
0495-0	START PERCENT (19-23) (24-25) 0495-0 ( _ _ ) 1 1	08-001 1-INFORMATI 08-433 4-DATA OVRI		***** <b>YOU MUST INDICATE VALUES FOR ALL START FIELDS</b>
0496-1	START BEG DATE (19-23) (24-29) 0496-1 ( _ _ _ _ ) 0 5 0 1 0 3	08-433 4-DATA OVRI		<b>YOU MUST INDICATE VALUES FOR ALL START FIELDS</b>
0497-2	START END DATE (19-23) (24-29) 0497-2 ( _ _ _ _ ) 0 0 0 0 0 0	08-433 4-DATA OVRI		<b>YOU MUST INDICATE VALUES FOR ALL START FIELDS</b>

#### **Employee ID 000050090**

**Expected Result:** A new RTP distribution is entered. However no START data are present for this employee. The following messages are displayed:

ELEMNT NUMBER	ELEMENT NAME	MESSAGE NUMBER	SEVERITY	MESSAGE TEXT
0495-0	START PERCENT	08-436 7-EMPL REJE		<b>NO EMPLOYEE START DATA ON RECORD</b>

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(19-23) (24-25)  
0495-0 ( \_ \_ )  
          0 0

0496-1 START BEG DATE 08-436 7-EMPL REJE NO EMPLOYEE START DATA ON RECORD  
(19-23) (24-29)  
0496-1 ( \_ \_ \_ \_ \_ )  
          0 0 0 0 0 0

0497-2 START END DATE 08-436 7-EMPL REJE NO EMPLOYEE START DATA ON RECORD  
(19-23) (24-29)  
0497-2 ( \_ \_ \_ \_ \_ )  
          0 0 0 0 0 0

**Employee ID 000050101**

**Expected Result:** Since only the START Percent is entered, and the START Begin Date and START End Date are missing, the following messages are issued:

ELEMNT NUMBER ELEMENT NAME	MESSAGE NUMBER SEVERITY	MESSAGE TEXT
0495-0 START PERCENT (19-23) (24-25) 0495-0 ( _ _ ) 1 3	08-433 4-DATA OVRI	YOU MUST INDICATE VALUES FOR ALL START
0496-1 START BEG DATE (19-23) (24-29) 0496-1 ( _ _ _ _ _ ) 0 0 0 0 0 0	08-433 4-DATA OVRI	YOU MUST INDICATE VALUES FOR ALL START
0497-2 START END DATE (19-23) (24-29) 0497-2 ( _ _ _ _ _ ) 0 0 0 0 0 0	08-433 4-DATA OVRI	YOU MUST INDICATE VALUES FOR ALL START

**Employee ID 000050128**

**Expected Result:** Since all three START data are entered, no START related error messages are issued.

**Employee ID 000050129**

**Expected Result:** Since all three START data are entered, no START related error messages are issued.

**REPORTS PDS, member (PPP2501)**

Verify on the PPP2501 report that the data elements of 0495, 0496, and 0497 contain START data for the following Employee IDs

- Employee ID 000050128

0495-0 START PERCENT 11

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0496-1	START BEG DATE	05/01/03
0497-2	START END DATE	12/31/03

- Employee ID 000050129

0495-0	START PERCENT	50
0496-1	START BEG DATE	05/01/03
0497-2	START END DATE	12/31/03

2673-2	FULL ACC UNT	32	3404918CCCC19900PROJ330
2682-8	DIST PCT	32	0.5000
2683-9	PAY BGN DATE	32	05/01/03
2684-0	PAY END DATE	32	12/31/03
2685-1	RATE/AMOUNT	32	0159750
2686-2	DOS	32	RTP
2688-4	A/D/C CODE	32	A
2691-4	DIST DEPT CD	32	804918

## **CPS/BCS Interface File (RUN711)**

### **Description**

This job produces the CPS/BCS Interface File.

### **Verification**

Verify the START data for the following Employee IDs on the interface file using the PPP2501 Report.

- Record 3 (Employee 000050002)

START Percent – Columns 367 through 368, value of ‘00’

START Begin Date – Columns 626 through 631, value of ‘000000’

START End Date – Columns 632 through 637, value of ‘000000’

- Record 153 (Employee 603031303)

START Percent – Columns 367 through 368, value of ‘17’

START Begin Date – Columns 626 through 631, value of ‘030201’

START End Date – Columns 632 through 637, value of ‘050630’

- Record 158 (Employee 701000001)

START Percent – Columns 367 through 368, value of ‘10’

START Begin Date – Columns 626 through 631, value of ‘030201’

START End Date – Columns 632 through 637, value of ‘040131’

- Record 159 (Employee 701000002)

START Percent – Columns 367 through 368, value of ‘15’

START Begin Date – Columns 626 through 631, value of ‘030201’

START End Date – Columns 632 through 637, value of ‘040131’

## **START Employee Participation Reporting (RUN695)**

### **Description**

This job produces the START Employee Participation Reports

The report options specified on the Specification record contains a value of '1' in column 12 and a value of '1' in column 13 to produce the PPP6951 report in Employee Name order and the PPP6952 report by Home Department order, and within Home Department Employee Name order.

### **Verification**

Verify the following items on the reports:

- PPP6951 Report (*REPORTS PDS, member PPP6951*)

*Verify that two footnotes are displayed at the bottom of each report page.*

*Verify that the Monthly Salary Savings and Annual Salary Savings Amounts are displayed on the last page of the report.*

*Verify that a single asterisk (\*) is displayed on the detail lines associated with active appointments that don't have any 'RTP' related distributions.*

*Verify that two asterisks (\*\*\*) are displayed on the detail lines associated with distributions of those employees whose distributions are 'RTS' related.*

- PPP6952 Report (*REPORTS PDS, member PPP6952*)

*Verify that two footnotes are displayed at the bottom of each report page.*

*Verify that the Monthly Salary Savings and Annual Salary Savings Amounts are displayed on the last page of each unique Home Department Number.*

*Verify that a single asterisk (\*) is displayed on the detail lines associated with active appointments that don't have any 'RTP' related distributions.*

*Verify that two asterisks (\*\*\*) are displayed on the detail lines associated with distributions of those employees whose distributions are 'RTS' related.*

## **On-line Field Level Help and Group Level Help**

### **Description**

Currently, the ELVE screen enables the user to enter and update leave of absence and sabbatical leave credit for an employee. The IAPP screen displays the employee's appointment and distribution data. The IBA1 screen displays the employee's history data.

### **Verification**

Log onto the CICS on-line region.

From the Main Menu, enter '**ELVE**' to the right of the 'Next Func' label and enter an Employee ID to the right of the 'ID' label who has START data. Press ENTER.

Verify that the Field Level Help Text is correct by placing the cursor on the following labels and associated data.

```
START Reduction Percentage      :      10
START Begin Date                :      020103
START End Date                  :      013104
```

From this screen, enter '**IAPP**' to the right of the 'Next Func' label. Press ENTER.

Verify that the Group Level Help Text is correct by placing the cursor on the following label and associated data.

```
STRT: 10% 02/01/03-01/31/04
```

From this screen, enter '**IBA1**' to the right of the 'Next Func' label. Press ENTER.

Verify that the Field Level Help Text is correct by placing the cursor on the following labels and associated data.

```
START Percent                   :      10
START Begin Date                :      02/01/2003
START End Date                  :      01/31/2004
```

## **EDB/Entry Update On-line Testing**

The following table contains sample test cases used in testing via the EDB/Entry Update system. Campuses may do additional testing, if desired.

### **File Maintenance Verification**

#### **1. Range and Value Edits**

##### **1.1 Valid values for START Reduction Percentage**

The START Reduction Percentage values must be at least 10, and not more than 50.

Enter the values shown below. Verify that when a valid START Reduction Percentage value is entered, no message is issued. If a non-valid value is entered message, "**Field out of range or illegal value**" is issued.

	START Reduction Percentage	Expected Results
Test 1	09	Message, 'Field out of range or illegal value' is issued.
Test 2	10	No message is issued.
Test 3	21	No message is issued.
Test 4	41	No message is issued.
Test 5	50	No message is issued.
Test 6	51	Message, 'Field out of range or illegal value' is issued.
Test 7	00	Message, 'Field out of range or illegal value' is issued.
Test 8	XX	Message, 'Field out of range or illegal value' is issued.

##### **1.2 Valid date values for START Begin Date**

**Note:** If campuses are testing using the data provided in this release and to match the expected results in the tables below, the START Program Begin Date in copymember CPWSTART should be initially set to 02/01/2003 for on-line testing only.

Enter the values shown below. Verify that when valid START Begin Date is entered, no message is issued. If an invalid begin date is entered, verify that message, "**Field out of range or illegal value**" is issued.

	START Begin Date	Expected Results
Test 1	02/01/03	No message is issued.
Test 2	02/29/04	No message is issued ( <b>2004 is a leap year</b> ).
Test 3	05/32/03	Message, 'Field out of range or illegal value' is issued ( <b>day 32 is not valid for the month of May</b> ).
Test 4	09/31/03	Message, 'Field out of range or illegal value' is issued ( <b>day 31 is not valid for the month of September</b> ).

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	START Begin Date	Expected Results
Test 5	13/01/03	Message, 'Field out of range or illegal value' is issued ( <b>month 13 is not valid</b> ).

**1.3 Valid date values for START End Date**

Enter the values shown below. Verify that when valid START End Date is entered, no message is issued. If an invalid end date is entered, verify that message, "**Field out of range or illegal value**" is issued.

	START End Date	Expected Results
Test 1	12/31/03	No message is issued.
Test 2	02/29/04	No message is issued ( <b>2004 is a leap year</b> ).
Test 3	06/32/03	Message, 'Field out of range or illegal value' is issued ( <b>day 32 is not valid for the month of June</b> ).
Test 4	09/31/03	Message, 'Field out of range or illegal value' is issued ( <b>day 31 is not valid for the month of September</b> ).
Test 5	13/01/03	Message, 'Field out of range or illegal value' is issued ( <b>month 13 is not valid</b> ).

**2.0 Consistency Edits and Messages**

**2.1 All Three START data elements must be present.**

Enter the values shown below. Verify that if a value for at least one START data element is present while at least one START data element is missing, the following message: "**You must indicate values for all START fields**" is issued.

	START Reduction Percentage	START Begin Date	START End Date	Expected Results
Test 1	10	04/01/03	12/31/03	No message issued.
Test 2	<b>blank</b>	04/01/03	12/31/03	Message, 'You must indicate values for all START fields' is issued.
Test 3	10	<b>blank</b>	12/31/03	Message, 'You must indicate values for all START fields' is issued.
Test 4	10	04/01/03	<b>blank</b>	Message, 'You must indicate values for all START fields' is issued.

With the existing values shown below, perform the function as indicated. Verify that if a value for at least one START data element is present while at least one START data element is missing, the following message: "**You must indicate values for all START fields**" is issued.

	Existing Values			Changed Values	Expected Results
	START Reduction Percentage	START Begin Date	START End Date		
Test 5	10	04/01/03	12/31/03	Delete START Reduction Percentage	Message, 'You must indicate values for all START fields' is issued.
Test 6				Delete START Begin Date	Message, 'You must indicate values for all START fields' is issued.

Test 7				Delete START End Date	Message, 'You must indicate values for all START fields' is issued.
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**2.2 START Begin Date must be equal to or later than START Program Begin Date**

During the testing phase, the START Program Begin Date was set to 02/01/03 for test purposes only.

Enter the values as shown. Verify that if the START Begin Date is prior to the START program begin date, the following message, "**START Begin Date cannot be prior to program begin date**" is issued. Verify that if the START Begin Date is equal to or later than the START program begin date, no message is issued.

	START program begin date	START Begin Date	Expected Results
Test 1	02/01/03	01/31/03	Message, 'START Begin Date cannot be prior to program begin date' is issued.
Test 2		01/30/03	Message, 'START Begin Date cannot be prior to program begin date' is issued.
Test 3		02/01/03	No message issued.
Test 4		06/30/03	No message issued.
Test 5		08/01/03	No message issued.

**2.3 START End Date must be prior to July 1, 2005**

The START Program End Date is set to 06/30/05.

Enter the values shown below and perform the function as indicated. Verify that if START End Date is not prior to July 1, 2005, the following message, "**START End Date must be prior to July 1, 2005**" is issued. Verify that if START End Date is prior to July 1, 2005, no message is issued.

	Existing Values		Changed Values		Expected Results
	START Begin Date	START End Date	START Begin Date	START End Date	
Test 1			02/01/03	06/30/03	No message is issued.
Test 2			02/01/03	07/01/05	Message, 'START End Date must be prior to July 1, 2005' is issued.
Test 3			02/01/03	07/02/05	Message, 'START End Date must be prior to July 1, 2005' is issued.
Test 4	02/01/03	04/30/05		06/30/05	No message is issued
Test 5	02/01/03	04/30/05		07/01/05	Message, 'START End Date must be prior to July 1, 2005' is issued.
Test 6	02/01/03	04/30/05		07/02/05	Message, 'START End Date must be prior to July 1, 2005' is issued.

**2.3 START End Date cannot be before START Begin Date**

The START Program Begin date is set to 02/01/03 and the START Program End date is set to 06/30/05.

Enter the values shown below and perform the function as indicated. Verify that if START End Date is prior to the START Begin date, the following message, "**START End Date cannot be before Begin Date**" is issued. Verify that if START End Date is not prior to the START Begin date, no message is issued.

	Existing Values	Changed Values	
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	START Begin Date	START End Date	START Begin Date	START End Date	Expected Results
Test 1			02/01/03	02/01/03	No message is issued.
Test 2			02/01/03	02/02/03	No message is issued.
Test 3			02/01/03	01/31/03	Message, 'START End Date cannot be before Begin Date' is issued.
Test 4			06/01/03	05/31/03	Message, 'START End Date cannot be before Begin Date' is issued.
Test 5	02/01/03	05/31/03	05/31/03		No message is issued.
Test 6	02/01/03	05/31/03	06/01/03		Message, START End Date cannot be before Begin Date' is issued.
Test 7	06/01/03	09/30/03		08/30/03	No message issued.
Test 8	06/01/03	09/30/03		05/31/03	Message, START End Date cannot be before Begin Date' is issued.

**2.4 No employee START data on record**

Enter the values shown below. Verify that when a distribution with a DOS code of 'RTP' is present and there is no START data, message, "**No employee START data on record**" is issued.

	Existing Values				Changed Values	Expected Results
	START Begin Date	START End Date	START Reduction Percentage	DOS Dist Code		
Test 1	02/01/03	06/30/05	10		Add a dist. with a DOS code of 'RTP'	No message is issued.
Test 2	02/01/03	06/30/05	10	REG	Add a dist. with a DOS code of 'RTP'	No message is issued.
Test 3				SDF	Add 2 Dist. with DOS codes of 'RTP' and 'RTS'	Message, 'No employee START on record' is issued for each Dist
Test 4				REG	Change the existing Dist. DOS code to 'STP'	No message is issued.
Test 5	02/01/03	06/30/05	10	RTP	Change the existing Dist. DOS code to 'REG'	No message is issued.
Test 6	02/01/03	06/30/05	10	RTP	Change existing Dist. DOS code to 'REG'	No message is issued.
	02/01/03	06/30/05	10	REG	Change existing Dist. DOS code to 'RTP'	No message is issued.
Test 7				REG	Change existing Dist. DOS code to 'RTP'	Message, 'No employee START on record' is issued (each Dist. r this message).
				REG	Change existing Dist. DOS code to 'RTP'	Message, 'No employee START on record' is issued.
Test 8	02/01/03	06/30/05	10	REG	Delete START Data	No message is issued.
Test 9	02/01/03	06/30/05	10	RTP	Delete START Data	Message, 'No employee START on record' is issued.
Test 10	02/01/03	06/30/05	10	RTP	Delete START Data	Message, 'No employee START on record' is issued.
	02/01/03	06/30/05	10	REG	Delete START Data	Message, 'No employee START on record' is issued.

**2.5 Distribution end date must not be later than the START End Date**

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Enter the values as shown. Verify that if START distribution end date is not prior to the START End Date, the following message, **“Distribution End Date cannot be later than the START End Date”** is issued.

	Existing Values				Changed Values		Expected Results
	START Begin Date	START End Date	START Reduction Percentage	Dist End Date	START End Date	Dist End Date	
Test 1	02/01/03	06/30/03	10	06/30/03			No message is issued.
Test 2	02/01/03	12/31/03	10	06/30/03			No message is issued.
Test 3	02/01/03	06/30/03	10	07/01/03			Message, “Distribution End Date later than the START End Date” i
Test 4	02/01/03	06/30/03	10	12/31/03			Message, “Distribution End Date later than the START End Date” i
Test 5	02/01/03	12/31/03	10	12/31/03	06/30/03		Message, “Distribution End Date later than the START End Date” i
Test 6	02/01/03	12/31/03	10	12/31/03		01/31/04	Message, “Distribution End Date later than the START End Date” i
Test 7	02/01/03	12/31/03	10	12/31/03		01/31/04	Message, “Distribution End Date later than the START End Date” i each Dist.
				12/31/03		01/31/04	Message, “Distribution End Date later than the START End Date” i each Dist.

## Web EDB Inquiry Testing

Verify that the net.data file (member of PPWIEMP) is copied to the “include” directory.

In the Employee section, select an employee who has START data, and enter the appropriate Employee ID, and click the label “Employment” on the left side of the page.

Member PPWWIEMP contains file ppwwiemp.d2w which processes the Web EDB Inquiry Employment Status Information page. With this release, this page has been modified such that the requested START Percent, START Begin Date, and START End date are now displayed immediately below the Leave Begin Date, Leave Return Date, and Leave Type. In addition, verify that the following text appears at the bottom of the modified Employment Status Information page:

### As of Release 1482

The following is a sample page of the Employment Status Information page:

<b>Employment Status Information</b> <a href="#">View Appointment Distribution Information.</a>	
<b>Hired</b>	
<b>Date of Hire:</b> 07/01/69	<b>I-9 Date:</b>
<b>Original Date of Hire:</b>	<b>Oath Date:</b> 07/01/69
<b>PIH Signature Date:</b> 04/01/97	
<b>Leave</b>	
<b>Leave Begin Date:</b> 02/01/02	<b>Leave Type:</b> 08 - Personal
<b>Leave Return Date:</b> 07/01/02	
<b>Staff and Academic Reduction in Time (START)</b>	
<b>START Reduction Percentage:</b> 20%	<b>Begin/End Dates:</b> 04/01/03 - 03/31/04
<b>Separation</b>	
<b>Last Day on Pay Status:</b> 12/31/01	<b>Reason Code:</b> CA - Indefinite Layoff
<b>Separation Date:</b> 04/30/02	<b>Destination:</b>
<b>Salary Review</b>	
<b>Next Salary Review Date:</b> 07/93	<b>Review Type:</b> 2 - Merit Increase