Service Request 83872
Allow Citizenship Code “R” for Student Employees from India

Technical Specification

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### Version History

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<th>Date</th>
<th>Revised By</th>
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1 Introduction

1.1.1 Service Request SR83872

Currently PPS only accepts Citizenship Code “S” as a valid value for student employees from India. We now want Citizenship Code “R” to be valid as well.

2 Overview of System Modifications

2.1.1 EDB Maintenance Process

- Currently, program PPEC130 sets message 08-440 or 12-270 for Indian student employees when their citizen code (EDB0109) is anything other than “S”. This program should be changed to allow code “S” or “R”.
- Messages 08-440 & 12-270 should be changed to reflect that the valid values of citizen code are “S” and “R” for Indian student employees.

3 Design Considerations

4 Testing Considerations

Unit testing will consist of entering data in CICS and batch to produce the messages under the appropriate circumstances.
5 Mainframe Design

5.1 EDB Maintenance

5.1.1 Cobol Programs

5.1.1.1 PPEC130

In the following code, the error messages are issued only if NOT CITIZEN-CODE-STUDENT-EMPLOYEE, which resolves to “S”. This should be changed to NOT CITIZEN-CODE-STUDENT-EMPLOYEE and NOT CITIZEN-CODE-RESIDENT-ALIEN which resolves to “R”.

```
IF ( COUNTRY-ORIGIN = 'IN' )
AND ( STUDENT-STATUS = '3' OR '4' OR '6' OR '7' )
AND ( NOT CITIZEN-CODE-STUDENT-EMPLOYEE )
     ADD 1                TO KMTA-CTR
     MOVE E0109           TO KMTA-FIELD-NUM    (KMTA-CTR)
     MOVE CITIZEN-CODE    TO KMTA-DATA-FIELD  (KMTA-CTR)
     MOVE 1               TO KMTA-LENGTH       (KMTA-CTR)
     IF KRMI-REQUESTED-BY-08
      MOVE M08440          TO KMTA-MSG-NUMBER (KMTA-CTR)
     ELSE
      MOVE M12270          TO KMTA-MSG-NUMBER (KMTA-CTR)
     END-IF
```

5.1.2 Control Table Updates

5.1.2.1 CTL Database

5.1.2.1.1 PPPMSG – System messages table

Code message table transactions (see UPAY554) to change the text of messages 08-440 and 12-270 to:

STUDENT EMP FROM INDIA CTZN CODE MUST BE ’S’ or ’R’

Run PPP004 with the transactions.

6 Unit Testing Requirements

6.1 CICS Testing

1. For a test employee, use the EPD1 CICS screen to change the student status to ’3’, ’4’, ’6’ or, ’7’

2. For the same employee, use the EALN screen to change the following:
   - Country of Residence field (same as COUNTRY-ORIGIN) to “IN”
   - Visa Type to “F1”
   - Citizenship to “C”

3. When the update key (F5) is pressed, message 08-440 is issued. Verify that the message text has been changed.

4. F3 to the EALN screen and change Citizenship to “R”.

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5. When F5 is pressed, the message should not be issued.

6.2 **Batch Testing**

1. Repeat step 1 above for two more test employees A and B.
2. Code EDB update transactions for employee A as follows:
   - Country of Residence field (same as COUNTRY-ORIGIN) to “IN”
   - Visa Type to “F1”
   - Citizenship to “C”
3. Code EDB update transactions for employee B as follows:
   - Country of Residence field (same as COUNTRY-ORIGIN) to “IN”
   - Visa Type to “F1”
   - Citizenship to “R”
4. Run batch EDB update with the transactions.
5. Verify that both 08-440 and 12-270 were issued for employee A and that the text of both messages has been changed.
6. Verify that neither message was issued for employee B.