

RB100R.MBR

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Business Logic for RB100R

This document outlines the business rules that govern the maintenance of old/new voucher codes in the RB100R RPG program. The primary focus is on how records are processed in relation to subfile management and user interactions.

The core logic for maintaining voucher codes is contained within the *inzsr subroutine in RB100R. The program manages user input and displays records in a subfile format, allowing users to create, update, and delete voucher codes.

Order Status and Header Rules

RB100R: rb10l1, rb10l2, rb10lr, rb10lu, ra01l1

1. Record Selection for Display

- Logic:** The program checks if either the voucher code or description is provided. If so, it positions the cursor to the relevant record in the subfile.
- File:** rb10l1 (Voucher Code File)
- Field:** b2gkod
- Condition:** The cursor is positioned if b2gkod is not equal to 0 or b2vtxt is not blank.

2. Clearing Subfile

- Logic:** The subfile is cleared and reset before new records are loaded for display.
- File:** b1sfl (Subfile for Display)
- Field:** w_srrn
- Condition:** The subfile is cleared when the program initializes or when a new set of records is loaded.

Configuration and Authorization Rules

1. User Firm Validation

- Logic:** The program checks if the current firm's code matches the record being processed to ensure data integrity.
- Files:**
 - rb10l1 (Voucher Code File)
 - rb10l2 (Description File)
- Fields:**
 - w_firm (Current Firm Code)
 - raafir (Record Firm Code)
- Condition:** The process will not proceed if raafir does not equal w_firm.

2. Input Validation for New Code

- Logic:** The program validates the new voucher code input to ensure it is not zero before proceeding with updates.
- File:** ra01l1 (Auxiliary Code File)

- Field:** c2nkod
 - Condition:** The program will trigger an error message if c2nkod is equal to zero.
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Financial and Transactional Rules

1. Updating Existing Voucher Codes

- Logic:** When updating a voucher code, the program checks if the record exists. If found, it updates the record; if not, it creates a new record.
- File:** rb10lu (Updated Voucher Code File)
- Fields:**
 - rb10lu_gkod (Updated Voucher Code)
 - raatxt (Description)
- Condition:** The update occurs if the record is found; otherwise, a new record is created.

2. Deleting Voucher Codes

- Logic:** The program allows users to delete a voucher code after confirmation.
 - File:** rb10lu (Updated Voucher Code File)
 - Condition:** The deletion is processed if the user confirms the action in the delete window.
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Special Conditions (Program-Specific)

1. Subfile Management (RB100R)

- Logic:** The program manages the display and navigation of records in a subfile format, allowing users to scroll through entries.
- File:** b1sfl (Subfile for Display)
- Field:** w_srrn
- Condition:** The subfile is populated based on the current record number and page size.

2. Error Messaging for Existing Records (RB100R)

- Logic:** If a user attempts to create a voucher code that already exists, an error message is displayed.
 - File:** c1msg (Message Display File)
 - Fields:** c1gkod (Voucher Code), c1vtxt (Description)
 - Condition:** The message is triggered if a duplicate voucher code is detected during the creation process.
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Subprogram Calls Affecting Logic

Beyond direct file checks, several external subprograms are called that play a significant role in the workflow.

1. dsp_subfile (Display Subfile)

- Trigger:** Called to display the current state of the subfile after processing user input.
- Logic:** This subroutine manages the visibility and layout of records in the subfile.
- Impact:** This call acts as a **major logical gateway** for user interaction with the displayed records.

2. crt_subfile (Create Subfile)

- Trigger:** Invoked to populate the subfile with records based on the current firm and voucher codes.

- Logic:** This subroutine reads records from the database and formats them for display in the subfile.
 - Impact:** This is a **critical step** in ensuring that the user sees the most up-to-date information.
- ### 3. xc1msg (Display Message)
- Trigger:** Called when a user attempts to create a duplicate voucher code.
 - Logic:** This subroutine displays an error message to the user.
 - Impact:** This ensures that users are informed of any issues, preventing erroneous data entry.