

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, based on an analysis of the RPG program RB100R. The primary focus is on the logic surrounding the handling of voucher codes and their associated descriptions.

The core logic for processing voucher codes is contained within the subfile subroutine in RB100R. The program manages user interactions through a subfile interface, allowing for the addition, modification, and deletion of voucher codes.

Order Status and Header Rules

RB100R: rb10l1, rb10l2, rb10lr, rb10lu, ra01l1

1. Voucher Code Entry

- Logic:** The program allows users to enter a new voucher code or modify an existing one.
- File:** rb10l1 (Old voucher codes)
- Field:** rb10l1_gkod
- Condition:** The process will not proceed if rb10l1_gkod is not equal to 0 or if the description field is not blank.

2. Description Entry

- Logic:** Users can enter or modify the description associated with a voucher code.
- File:** rb10l2 (Descriptions for voucher codes)
- Field:** rb10l2_vtxt
- Condition:** The process will not proceed if rb10l2_vtxt is blank.

Configuration and Authorization Rules

1. Firm Validation

- Logic:** The program ensures that the voucher code being processed is associated with the correct firm.
- Files:**
 - rb10l1 (Old voucher codes)
 - ra01l1 (Firm data)
- Fields:**
 - w_firm (Current firm)
 - ra01l1_akod (Firm key)
- Condition:** The process will not proceed if the firm associated with the voucher code does not match the current firm.

2. Subfile Control

- Logic:** The program manages the display and navigation of the subfile interface.
- File:** b1sfl (Subfile)
- Field:** b1valg

- Condition:** The subfile will be updated based on user actions such as adding, modifying, or deleting entries.
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Financial and Transactional Rules

1. Update Voucher Code

- Logic:** The program updates the voucher code in the database if it already exists.
- File:** rb10lu (New voucher codes)
- Fields:**
 - rb10lu_gkod (New voucher code)
 - raatxt (Description)
- Condition:** The update will occur if the voucher code exists in the rb10lu file.

2. Delete Voucher Code

- Logic:** The program allows for the deletion of a voucher code from the database.
 - File:** rb10lu (New voucher codes)
 - Condition:** The deletion will occur if the user confirms the action via the delete window.
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Special Conditions (Program-Specific)

1. Subfile Refresh (RB100R)

- Logic:** The program refreshes the subfile display after any changes to ensure the latest data is shown.
- File:** b1sfl (Subfile)
- Field:** w_srrn
- Condition:** The subfile will refresh if w_srrn is greater than 0. Note: This is crucial for maintaining an accurate display of voucher codes.

2. Error Handling (RB100R)

- Logic:** The program displays error messages if a user attempts to create a duplicate voucher code.
 - File:** c1msg (Message display)
 - Fields:** c1gkod (Voucher code), c1vtxt (Description)
 - Condition:** An error message will be shown if the voucher code already exists in the system.
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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 contents of the subfile after any modifications.
- Logic:** This subroutine handles the display logic for the subfile, ensuring that the correct records are shown based on user actions.
- Impact:** This call acts as a **major logical gateway** for user interactions with voucher codes.

2. crt_subfile (Create Subfile)

- Trigger:** Called to populate the subfile with records from the database.
- Logic:** This subroutine reads records from the relevant files and populates the subfile for display.

- Impact:** This is a **critical step** for ensuring that users see the correct data in the subfile.

3. xc1msg (Display Message)

- Trigger:** Called when a duplicate voucher code is detected.

- Logic:** This subroutine displays an error message to the user.

- Impact:** This ensures that users are informed of issues, preventing erroneous data entry and maintaining data integrity.