

RB100R.MBR

Path: NXCLOUD/rpgsrc/RB100R.MBR **Generated:** 2026-01-08 15:43:00 **Processing Time:** 16308ms

Business Logic for RB100R

This document outlines the business rules that govern the maintenance of old and new voucher codes, based on an analysis of the RPG program RB100R. The primary focus is on how the program processes voucher codes through subfile management and user interactions.

The core logic for maintaining voucher codes is contained within the *inzsr subroutine in RB100R. The program utilizes subfiles to display and manage records of voucher codes, allowing users to create, update, and delete entries.

Order Status and Header Rules

RB100R: rb10l1, rb10l2, rb10lr, rb10lu, ra01l1

1. Record Selection for Update

- Logic:** The program will position to a record for update based on the voucher code or description provided by the user.
- File:** rb10l1 (Old Voucher Codes)
- Field:** rb10l1_gkod
- Condition:** The process will not select a record if b2gkod is equal to 0 or if b2vtxt is blank.

2. Record Creation

- Logic:** When a new voucher code is created, it will be validated and inserted into the appropriate file.
- File:** rb10lu (New Voucher Codes)
- Field:** rb10lu_gkod
- Condition:** A record will only be created if the input voucher code (c1gkod) is not zero.

Configuration and Authorization Rules

1. Firm Validation

- Logic:** The program checks if the firm associated with the voucher code matches the current user's firm.
- Files:**
 - rb10l1 (Old Voucher Codes)
 - rb10lu (New Voucher Codes)
- Fields:**
 - w_firm (Current Firm)
 - raafir (Firm from Voucher Code)
- Condition:** The process will not proceed if raafir does not match w_firm.

2. Subfile Display Control

- Logic:** The program controls the display of the subfile based on the current record number.
- File:** b1sfl (Subfile)
- Field:** w_srrn

- Condition:** The subfile will only display if w_srrn is greater than zero.
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Financial and Transactional Rules

1. Record Deletion

- Logic:** The program allows users to delete a voucher code after confirmation.
- File:** rb10lu (New Voucher Codes)
- Fields:**
 - d1gkod (Voucher Code to Delete)
 - rb10lu_gkod (Current Voucher Code)
- Condition:** The deletion will only occur if the user confirms the action.

2. Record Update

- Logic:** When updating a voucher code, the program checks for existing records and updates them accordingly.
 - File:** rb10lu (New Voucher Codes)
 - Condition:** An update will only take place if the voucher code exists in the database.
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Special Conditions (Program-Specific)

1. Subfile Initialization (RB100R)

- Logic:** The program initializes the subfile and prepares it for user interaction.
- File:** b1sfl (Subfile)
- Field:** w_srrn
- Condition:** The subfile is cleared and filled based on the current state of the records.

2. Error Handling for Existing Records (RB100R)

- Logic:** If a user attempts to create a voucher code that already exists, an error message is displayed.
 - File:** rb10lr (Old Voucher Codes)
 - Fields:** rb10lr_gkod (Existing Voucher Code)
 - Condition:** The error message is triggered if the voucher code already exists in the database.
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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.
- Logic:** This subroutine manages the visibility and content of the subfile based on user interactions.
- Impact:** This call ensures that users see the most up-to-date information in the subfile.

2. crt_subfile (Create Subfile)

- Trigger:** Called to populate the subfile with records.
- Logic:** This subroutine reads records from the database and fills the subfile accordingly.
- Impact:** This is a **critical step** for ensuring that the user interface reflects the current data.

3. xc1msg (Error Message Display)

- Trigger:** Called when an error occurs, such as attempting to create a duplicate voucher code.
- Logic:** This subroutine displays an error message to the user.
- Impact:** This provides immediate feedback to the user, enhancing the usability of the application.