

RC100R.MBR

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Business Logic for RC101R

This document outlines the business rules that govern the maintenance of fixed data for debt collection, based on an analysis of the RPG program RC101R. The primary focus is on the handling of subfile operations, user interactions, and data validation.

The core logic for maintaining fixed data is contained within the *inzsr subroutine in RC101R. The program manages user input through various subroutines that handle subfile display, data entry, updates, and deletions.

Order Status and Header Rules

RC101R: RCA0L1, RCA0LR, RCA0LU

1. Subfile Display Control

- Logic:** The program controls the display of subfiles based on user interactions and the current state of data.
- File:** RCA0L1 (Debt Collection Fixed Data)
- Field:** 0FIR
- Condition:** The subfile will be displayed if there are records to show (w_srrn is not zero).

2. Data Entry Validation

- Logic:** The program validates user input when creating or updating records to ensure that required fields are filled.
- File:** RCA0LR (Debt Collection Records)
- Field:** C20TXT
- Condition:** The program will prompt an error if C20TXT is blank during data entry.

Configuration and Authorization Rules

1. Firm Selection

- Logic:** The program allows selection of a firm and checks if it exists in the database.
- Files:**
 - RCA0L1 (Debt Collection Fixed Data)
 - RCA0LR (Debt Collection Records)
- Fields:**
 - 0FIR (from RCA0L1)
 - 0FIR (from RCA0LR)
- Condition:** The program will only proceed if the selected firm (b20fir) is not zero.

2. Inkasso Agency Validation

- Logic:** The program checks if the selected inkasso agency is recognized and displays an error message if not.
- File:** RCA0LR (Debt Collection Records)
- Field:** C2INKF

- Condition:** The program will display an error if C2INKF does not match known agencies.
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Financial and Transactional Rules

1. Record Update Logic

- Logic:** The program updates existing records with new data or creates new records if none exist.
- File:** RCA0LU (Debt Collection Update Records)
- Fields:**
 - 0FIR (Primary Key)
 - RC0TXT (Text Field)
- Condition:** The record will be updated if it is found; otherwise, a new record will be created.

2. Record Deletion Logic

- Logic:** The program allows for the deletion of records based on user confirmation.
 - File:** RCA0LU (Debt Collection Update Records)
 - Condition:** The record will be deleted if the user confirms the action in the delete window.
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Special Conditions (Program-Specific)

1. Subfile Refresh Logic (RC101R)

- Logic:** The program refreshes the subfile display after any data modification to ensure the user sees the most current data.
- File:** RCA0L1 (Debt Collection Fixed Data)
- Field:** 0FIR
- Condition:** The subfile is refreshed if the user performs an action that modifies the data (e.g., create, update, delete). Note: This ensures data consistency in the user interface.

2. Error Handling for Existing Records (RC101R)

- Logic:** The program checks for existing records before allowing a new entry and displays a message if a duplicate is found.
 - File:** RCA0LR (Debt Collection Records)
 - Fields:** C10FIR (Firm ID), C20TXT (Text Field)
 - Condition:** If a record with the same C10FIR exists, the program will prompt the user with an error message.
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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. AA005R (Error Message Display)

- Trigger:** Called when an unrecognized inkasso agency is selected.
- Logic:** Displays an error message to the user.
- Impact:** This call acts as a **validation step** to prevent incorrect data entry.

2. XC2BLD (Record Maintenance Subroutine)

- Trigger:** Called when creating or updating records.
- Logic:** Handles the logic for maintaining records in the database.
- Impact:** This is a **critical step** in ensuring data integrity during updates.

3. XC1BLD (Data Entry Subroutine)

- Trigger:** Called when entering new records.
- Logic:** Manages the display and validation of data entry forms.
- Impact:** Represents the **initial point of data entry**, ensuring that users provide necessary information.

This documentation provides a comprehensive overview of the business logic implemented in the RC101R program, detailing how it manages data related to debt collection and user interactions.