

JR100R.MBR

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Business Logic for JR100R

This document outlines the business rules that govern the report maintenance process, based on an analysis of the RPG program JR100R. The primary focus is on how the program handles subfile management and user interactions for report entries.

The core logic for managing reports is contained within the subfile subroutine in JR100R. The program processes records related to reports, allowing users to create, update, delete, and view report entries through a subfile interface.

Order Status and Header Rules

JR100R: fjrapl1, fjrapl2, fjrapl3, fjrapl, fjrplu, fjlevl1, fvrc1

1. Report Entry Validation

- Logic:** The program checks if the report number (b2rapp), name (b2navn), or record format (b2rfmt) is provided before processing.
- File:** fjrapl1, fjrapl2, fjrapl3 (Report entries)
- Field:** b2rapp, b2navn, b2rfmt
- Condition:** The subfile will not be processed if all three fields are blank.

2. Subfile Record Handling

- Logic:** The program reads records from the subfile and updates the display based on user actions.
- File:** fjr100d (Subfile display)
- Field:** b1sfl
- Condition:** The subfile will be updated based on user selections for actions like create, update, and delete.

Configuration and Authorization Rules

1. User and Firm Initialization

- Logic:** The program initializes user and firm information from the local data area.
- Files:**
 - fjrapl1 (Report entries)
 - fjrplu (Update entries)
- Fields:**
 - l_firm (Firm identifier)
 - l_user (User identifier)
- Condition:** The program will use the initialized values to filter records based on the current user and firm.

2. Record Format Validation

- Logic:** The program validates the record format against predefined values.
- File:** fvrc1 (Record formats)

•Field: c2rfmt

•Condition: The process will trigger an error if the record format is not found in the database.

Financial and Transactional Rules

1. Record Creation and Update

•Logic: The program allows users to create or update report entries and reflects changes in the subfile.

•File: fjarplu (Update entries)

•Fields:

jrnnavn (Report name)

jrrfmt (Record format)

•Condition: The program will write a new entry if the report does not exist; otherwise, it will update the existing record.

2. Record Deletion

•Logic: Users can delete report entries, which are removed from the database.

•File: fjarplu (Update entries)

•Condition: The deletion process will only occur if the user confirms the action.

Special Conditions (Program-Specific)

1. Subfile Refresh Logic (JR100R)

•Logic: The program refreshes the subfile based on user actions and maintains the current position in the list.

•File: fjarpl1, fjarpl2, fjarpl3 (Report entries)

•Field: w_fcrn

•Condition: The subfile will refresh if the user navigates through the records.

2. Error Handling for Existing Records (JR100R)

•Logic: If a user attempts to create a record that already exists, an error message is displayed.

•File: fjarplr (Report entries)

•Fields: c1rapp

•Condition: The program checks for existing records before allowing creation.

Subprogram Calls Affecting Logic

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

1. JR120R (Reference Group Processing)

•Trigger: Called when a user selects to reference a group of items.

•Logic: This program processes the reference based on the firm and report number.

•Impact: This call allows for grouping and managing related reports efficiently.

2. JR130R (Receiving Filter Processing)

•Trigger: Called when a user selects to apply a receiving filter.

•Logic: This program applies filters based on the firm and report number.

•Impact: This enhances the report management by allowing users to filter based on specific criteria.

3. JL500R (Supplier Name Lookup)

- Trigger:** Called during the validation of supplier names.
- Logic:** This program retrieves supplier names based on the supplier ID.
- Impact:** This ensures that the report entries are associated with valid suppliers, maintaining data integrity.