

JR100R.MBR

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Business Logic for JR100R

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

The core logic for the maintenance reporting process is contained within the *inzsr subroutine in JR100R. The program processes records from various files, allowing users to create, update, delete, and view report entries through a subfile interface.

Order Status and Header Rules

JR100R: fjrapl1, fjrapl2, fjrapl3, fjlevl1, fjvrcl1

1. Record Existence Check

- **Logic:** The program checks if a report entry exists based on the report number or name before allowing updates or deletions.
- **File:** fjrapl1 (Report Entries)
- **Field:** jrapl1_rapp
- **Condition:** The program will not proceed with updates if b2rapp is not equal to 0.

2. Subfile Population

- **Logic:** The program populates the subfile with report entries based on user input and navigational commands.
- **File:** fjrapl1, fjrapl2, fjrapl3 (Report Entries)
- **Field:** jrfirm
- **Condition:** The subfile will only be populated if the current record number is valid and matches the firm identifier.

Configuration and Authorization Rules

1. Firm Validation

- **Logic:** The program validates that the firm associated with the report matches the current user's firm.
- **Files:**
 - fjrapl1 (Report Entries)
 - fjrapl2 (Report Names)
- **Fields:**
 - jrfirm (from fjrapl1)
 - w_firm (from local data area)
- **Condition:** The program will not allow operations if jrfirm does not equal w_firm.

2. Input Validation for Report Format

- **Logic:** The program checks that the report format is valid before allowing the creation or update of a report entry.

- **File:** fjrcl1 (Report Formats)
- **Field:** c2rfmt
- **Condition:** The program will trigger an error if c2rfmt is blank or does not exist in the fjrcl1 file.

Financial and Transactional Rules

1. Update Report Entry

- **Logic:** The program updates an existing report entry with new values provided by the user.
- **File:** fraplu (Report Update)
- **Fields:**
 - jrnnavn (Report Name)
 - jrrfmt (Report Format)
- **Condition:** The update will only occur if the report exists in the fraplu file.

2. Delete Report Entry

- **Logic:** The program deletes a report entry based on user confirmation.
- **File:** fraplu (Report Update)
- **Condition:** The deletion will only proceed if the user confirms the action in the delete window.

Special Conditions (Program-Specific)

1. Subfile Refresh (JR100R)

- **Logic:** The program refreshes the subfile to reflect the latest data after any operation (create, update, delete).
- **File:** frapl1 (Report Entries)
- **Field:** w_srrn
- **Condition:** The subfile will refresh if b_forn is set to *on* after an operation.

2. Error Handling for Duplicate Reports (JR100R)

- **Logic:** The program displays an error message if a user attempts to create a report that already exists.
- **File:** fraplr (Report Reference)
- **Fields:** jraplr_rapp (Report Reference)
- **Condition:** An error message is shown if the report already exists in the fraplr file.

Subprogram Calls Affecting Logic

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

1. JR120R (Report Group Reference)

- **Trigger:** Called when the user selects to reference a report group.
- **Logic:** This program retrieves and displays information related to the selected report group.
- **Impact:** This call acts as a **major logical gateway** for managing report group associations.

2. JR130R (Report Filter)

- **Trigger:** Called when the user selects to apply a filter to the report.
- **Logic:** This program applies filtering criteria to the report entries based on user input.
- **Impact:** This is a **destructive filtering step** that limits the records displayed in the subfile.

3. JL500R (Supplier Lookup)

- Trigger:** Called when the user interacts with the supplier field in the report entry.
- Logic:** This program retrieves supplier information based on the provided supplier ID.
- Impact:** Represents the handoff to the next major business function of supplier management.