JR100R.MBR

Path: NXCLOUD/rpgsrc/JR100R.MBR **Generated**: 2026-01-08 12:34:50 **Processing Time**: 11776ms

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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 the logic related to subfile handling and record management for report entries.

The core logic for report maintenance is contained within the subfile subroutine in JR100R. The program interacts with various files to read, update, delete, and display report records, utilizing subfiles for user interaction.

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Order Status and Header Rules

JR100R: fjrapl1, fjrapl2, fjrapl3, fjraplr, fjraplu, fjlevl1, fjvrcl1

1. Record Selection

•**Logic:** The program selects records based on the report number, name, or record format. If any of these fields are provided, the corresponding records are fetched.

•**File:** fjrapl1 (Report File)

•**Field:** b2rapp, b2navn, b2rfmt

•**Condition:** The process will not select a record if b2rapp, b2navn, and b2rfmt are all blank.

2. Subfile Population

•**Logic:** The program populates the subfile with records from the report files based on the current position and the selected criteria.

•**File:** fjrapl1, fjrapl2, fjrapl3

•**Field:** Various fields from the report files

•**Condition:** The subfile will be populated only if there are records to display.

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Configuration and Authorization Rules

1. Record Format Validation

•**Logic:** The program checks if the record format is valid based on specific conditions before allowing updates.

•**Files:**

•fjvrcl1 (Record Format File)

•fjlevl1 (Supplier Level File)

•**Fields:**

•c2rfmt (from fjvrcl1)

•c2ldor (from fjlevl1)

•**Condition:** The record format must not be blank and must exist in the fjvrcl1 file.

2. Firm Validation

•**Logic:** The program validates the firm associated with the report before processing.

•**File:** fjrapl1 (Report File)

•**Field:** jrfirm

•**Condition:** The firm must match the current user's firm to allow access to the records.

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Financial and Transactional Rules

1. Record Update Logic

•**Logic:** When updating a record, the program checks if the record already exists and updates it accordingly or creates a new record if it does not.

•**File:** fjraplu (Report Update File)

•**Fields:**

•jraplu_rapp (Report Number)

•jrnavn (Report Name)

•**Condition:** If the record exists, it is updated; otherwise, a new record is created.

2. Record Deletion Logic

•**Logic:** The program allows for the deletion of a report record after confirmation from the user.

•**File:** fjraplu (Report Update File)

•**Condition:** The record will be deleted only if the user confirms the action.

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Special Conditions (Program-Specific)

1. Error Handling for Existing Records

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

•**File:** fjraplr (Report Reference File)

•**Field:** jraplr_rapp

•**Condition:** The program checks for existing records before allowing creation. Note: This check is crucial to prevent duplicate entries.

2. Subfile Control Logic

•**Logic:** The program manages the display and navigation of records within the subfile, allowing users to scroll through entries.

•**File:** fjrapl1, fjrapl2, fjrapl3

•**Fields:** Various fields from the report files

•**Condition:** The subfile will only display records if there are entries to show.

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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. JR120R (Reference Group Processing)

•**Trigger:** Called when the user selects the option to manage reference groups.

•**Logic:** This program handles the processing of reference groups associated with reports.

•**Impact:** This call acts as a **major logical gateway** for managing report references.

2. JR130R (Receiving Filter Processing)

•**Trigger:** Invoked when the user selects to manage receiving filters.

•**Logic:** This program processes the filters applied to incoming reports.

•**Impact:** This is a **critical step** in ensuring that reports are filtered correctly based on user-defined criteria.

3. JL500R (Supplier Lookup)

•**Trigger:** Called when the user needs to look up supplier names based on the supplier ID.

•**Logic:** This program retrieves the supplier name associated with a given supplier ID.

•**Impact:** This lookup is essential for ensuring that reports are linked to the correct suppliers, enhancing data integrity.