

SR100R.MBR

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Business Logic for SR100R

This document outlines the business rules that govern the maintenance of the parameter file for purchases, based on an analysis of the RPG program SR100R. The primary focus is on the logic for handling user interactions and managing the parameter records.

The core logic for maintaining the parameter file is contained within the various subroutines in SR100R. The program processes user inputs to perform actions such as creating, updating, deleting, and displaying parameter records.

Order Status and Header Rules

SR100R: slpml1, ausrl1, slpmlur

1. Check for Existing Records

- Logic:** The program checks if a record exists in the parameter file before allowing updates or deletions.
- File:** slpml1 (Parameter file)
- Field:** srfirm
- Condition:** The record will not be processed if srfirm does not match the current user's firm.

2. Display Details

- Logic:** The program displays detailed information about the selected parameter record.
- File:** slpml1 (Parameter file)
- Field:** b1text
- Condition:** Details are shown only if the user has selected a record from the subfile.

Configuration and Authorization Rules

1. User and Time Statistics Handling

- Logic:** The program retrieves user-specific or time-specific statistics based on the input type.
- Files:**
 - ausrl1 (User file)
 - slpml1 (Parameter file)
- Fields:**
 - b2type (User or Time type)
 - ausrl1_user (User identifier)
- Condition:** If b2type is '*USER', the program fetches user details; if '*TIME', it fetches the current time.

2. Parameter Update Logic

- Logic:** The program updates the parameter records based on user input.
- File:** slpmlur (Updated parameter file)
- Field:** srtype
- Condition:** Updates are only performed if the user has the necessary permissions and the record exists.

Financial and Transactional Rules

1. Record Creation

- Logic:** New parameter records can be created based on user input.
- File:** slpml1 (Parameter file)
- Fields:**
 - b1type (Type of parameter)
 - b1text (Description)
- Condition:** A new record is created if the user selects the option for creating a new parameter.

2. Record Deletion

- Logic:** The program allows for the deletion of parameter records.
 - File:** slpmlur (Updated parameter file)
 - Condition:** Deletion is permitted only if the user confirms the action and the record exists.
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Special Conditions (Program-Specific)

1. Subfile Handling (SR100R)

- Logic:** The program manages a subfile to display multiple parameter records and allows user interaction.
- File:** b1sfl (Subfile)
- Field:** b1valg
- Condition:** The subfile is populated based on the records in slpml1, and user selections dictate the next action.

2. Sorting and Selection Logic (SR100R)

- Logic:** The program allows users to sort and select records based on various criteria.
 - File:** slpml1 (Parameter file)
 - Fields:** b1type, b1text
 - Condition:** Users can choose sorting options, and the program updates the display accordingly.
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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. SR111R (Main Group Handling)

- Trigger:** Called when the user selects the main group option.
- Logic:** This subprogram handles the main group parameters and updates the relevant records.
- Impact:** This call acts as a **major logical gateway** for handling main group parameters.

2. SR112R (Subgroup Handling)

- Trigger:** Called when the user selects the subgroup option.
- Logic:** This subprogram manages subgroup parameters and updates the relevant records.
- Impact:** This is a **critical step** in managing subgroup parameters.

3. SR620C (Statistics Report Generation)

- Trigger:** Called when the user opts to generate a statistics report.
- Logic:** This subprogram generates and formats the required statistics based on user input.

•**Impact:** This represents the handoff to the next major business function, providing essential reporting capabilities.