

SP100R.MBR

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Business Logic for SP100R

This document outlines the business rules that govern the maintenance of the parameter file in the ASSTAT system, based on an analysis of the RPG program SP100R. The primary focus is on how the program handles user interactions with parameter records, including creation, updating, deletion, and display of parameters.

The core logic for maintaining parameters is contained within the *inzsr subroutine in SP100R.

The program processes user inputs through a subfile interface, allowing users to interact with parameter records stored in the database.

Order Status and Header Rules

SP100R: SP100D

1. Check Company Code

•Logic: The program verifies that the company code associated with the parameter matches the current user's company code before processing.

•File: SP100D (Parameter file)

•Field: spfirm

•Condition: "The process will not select a record if spfirm is not equal to wwfirrm."

2. Display Parameter Details

•Logic: If the user requests to view details of a parameter, the program will display the relevant information.

•File: SP100D (Parameter file)

•Field: b1valg

•Condition: "The details will be shown only if b1valg is set to '5' or ' 5'."

Configuration and Authorization Rules

1. User Authentication

•Logic: The program checks if the user is authorized to access the parameter records based on their user ID.

•Files:

•AUSRL1 (User file)

•SP100D (Parameter file)

•Fields:

•ausrl1_user (from AUSRL1)

•wwfirrm (from SP100D)

•Condition: "Access is granted if the user ID matches the record in the AUSRL1 file."

2. Parameter Creation

•Logic: The program allows users to create new parameter records if they have the necessary permissions.

- **File:** SP100D (Parameter file)
- **Field:** spfirm
- **Condition:** "New records can be created only if *inkf is set to *on."

Financial and Transactional Rules

1. Parameter Update

- **Logic:** Users can update existing parameter records, and the program ensures that the changes are saved correctly.

• **File:** SP100D (Parameter file)

• **Fields:**

• spfirm (Company code)

• spvalg (Parameter value)

- **Condition:** "Updates are processed only if b1valg is set to '2' or ' 2'."

2. Parameter Deletion

- **Logic:** The program allows users to delete parameter records, ensuring that the deletion is confirmed by the user.

• **File:** SP100D (Parameter file)

- **Condition:** "Deletion is permitted only if b1valg is set to '4' or ' 4'."

Special Conditions (Program-Specific)

1. Subfile Handling (SP100R)

- **Logic:** The program manages the display and interaction with a subfile that lists parameter records for user selection.

• **File:** SP100D (Parameter file)

• **Field:** b1sfl

- **Condition:** "The subfile will be populated based on the current user's company and the parameters available."

2. Sorting Parameters (SP100R)

- **Logic:** The program allows users to sort parameters based on specified criteria.

• **File:** SP100D (Parameter file)

• **Fields:** wwsrt1_00, wwsrt2_00, wwsrt3_00

- **Condition:** "Sorting is applied when the user selects sorting options from the menu."

Subprogram Calls Affecting Logic

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

1. SP111R (Main Group Handling)

- **Trigger:** Called when the user selects the main group option from the menu.

- **Logic:** Handles operations related to the main parameter group.

- **Impact:** "This call acts as a **major logical gateway** for managing main groups."

2. SP112R (Subgroup Handling)

- **Trigger:** Called when the user selects the subgroup option.

- Logic:** Manages operations related to subgroups of parameters.
- Impact:** "This call facilitates subgroup management within the parameter structure."

3. SP124R (Salesperson Order Handling)

- Trigger:** Called when the user selects the salesperson order option.
- Logic:** Manages operations related to salesperson parameters.
- Impact:** "This represents the handoff to the next major business function related to sales."

This documentation provides a comprehensive overview of the business logic implemented in the SP100R program, detailing the rules and conditions that govern the maintenance of parameter records within the ASSTAT system.