

SC100R.MBR

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Business Logic for SC100R

This document outlines the business rules that govern the maintenance of the budget level register, based on an analysis of the RPG program SC100R. The primary focus is on the logic for creating, updating, deleting, and displaying records in the budget level register.

The core logic for maintaining the budget level register is contained within the various subroutines in SC100R. The program utilizes a subfile structure to handle user interactions and data display, allowing for operations such as creating new records, updating existing records, deleting records, and generating reports.

Order Status and Header Rules

SC100R: slnil1, slnilu

1. Record Creation

- Logic:** A new budget level record can be created if the input flag for creating a new record is set. The program initializes fields and displays the input screen for the user.
- File:** slnil1 (Budget Level Register)
- Field:** wwkode
- Condition:** The process will create a record if *inkf is equal to *on.

2. Record Update

- Logic:** An existing budget level record can be updated based on user selection from the subfile. The program retrieves the record and allows the user to modify it.
- File:** slnil1 (Budget Level Register)
- Field:** wwkode
- Condition:** The process will update a record if the user selects the update option (indicated by b1valg being '2').

Configuration and Authorization Rules

1. Record Deletion

- Logic:** A budget level record can be deleted if the user confirms the deletion. The program checks for any associated data before proceeding with the deletion.
- Files:**
 - slnil1 (Budget Level Register)
 - slnilu (Updated Budget Level Register)
- Fields:**
 - wwkode (from slnil1)
 - d1kode (from deletion confirmation)
- Condition:** The process will delete a record if b1valg is '4' and the user confirms the deletion.

2. Record Viewing

- Logic:** The program allows users to view details of a budget level record by retrieving it from the database.

- File:** slnil1 (Budget Level Register)
 - Field:** wwkode
 - Condition:** The process will display a record if b1valg is '5'.
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Financial and Transactional Rules

1. Budget Generation

- Logic:** The program can generate a new budget based on the selected budget level. It calls an external program to handle the generation process.
- File:** slnil1 (Budget Level Register)
- Fields:**
 - wwkode (Budget Code)
 - wshhaa (Year)
- Condition:** The process will generate a budget if b1valg is '60'.

2. Budget Transfer

- Logic:** The program facilitates the transfer of budget data to the financial system.
 - File:** slnil1 (Budget Level Register)
 - Condition:** The process will transfer data if b1valg is '78'.
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Special Conditions (Program-Specific)

1. Subfile Handling (SC100R)

- Logic:** The program manages a subfile for displaying budget level records. It allows users to navigate, select, and perform actions on records.
- File:** b1sfl (Subfile for Budget Levels)
- Field:** b1kode
- Condition:** The subfile is populated and updated based on user selections and actions.

2. Error Handling (SC100R)

- Logic:** The program includes mechanisms for error handling during data entry and processing, ensuring that invalid inputs are managed appropriately.
 - File:** slnil1 (Budget Level Register)
 - Fields:** Various fields in the budget record.
 - Condition:** The program checks for errors before proceeding with operations, ensuring data integrity.
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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. SCDELRL (Delete Budget Level)

- Trigger:** Called when a user confirms the deletion of a budget level record.
- Logic:** This program handles the deletion of the specified budget level record.
- Impact:** This call ensures that records are removed from the database as per user request.

2. SCCOLRL (Copy Budget Level)

- Trigger:** Called when a user selects the option to copy an existing budget level record.

- Logic:** This program duplicates the specified budget level record into a new entry.
- Impact:** This allows for quick creation of similar budget levels without manual entry.

3. SCGENR (Generate Budget)

- Trigger:** Called when generating a new budget based on the selected budget level.
- Logic:** This program generates the budget based on the parameters provided.
- Impact:** Represents the handoff to the next major business function of budget management.

This documentation provides a comprehensive overview of the business logic implemented in the SC100R RPG program, detailing the rules and processes that govern the maintenance of the budget level register.