

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 related to record management within the budget level register.

The core logic for managing the budget level records is contained within various subroutines in SC100R. The program handles creating, updating, deleting, and displaying records in the budget level register through a subfile interface.

Order Status and Header Rules

SC100R: slnil1, slnilu, b1sfl

1. Record Creation

- Logic:** A new record can be created when the input flag for new record creation is set. The program initializes fields and calls the appropriate subroutine to handle the new record.
- File:** slnil1 (Budget Level Register)
- Field:** wwkode
- Condition:** The process will create a record if *inkf (input flag for new record) is equal to *on.

2. Record Update

- Logic:** Existing records can be updated based on user selection from the subfile. The program retrieves the selected record and allows changes to be made.
- File:** slnil1 (Budget Level Register)
- Field:** wwkode
- Condition:** The process will update a record if the user selects option '2' from the subfile.

Configuration and Authorization Rules

1. Record Deletion

- Logic:** Records can be deleted if the user confirms the action. The program checks for any associated data before proceeding with the deletion.
- Files:**
 - slnil1 (Budget Level Register)
 - slnilu (Updated Budget Level Register)
- Fields:**
 - wwkode (Record Identifier from slnil1)
 - d1valg (Delete confirmation flag)
- Condition:** The process will delete a record if the user selects option '4' and confirms the deletion.

2. Record Viewing

- Logic:** Users can view existing records by selecting the appropriate option. The program retrieves the record and displays it in a formatted manner.

- File:** slnil1 (Budget Level Register)
- Field:** wwkode
- Condition:** The process will display a record if the user selects option '5'.

Financial and Transactional Rules

1. Budgeting

- Logic:** The program allows users to generate budgets based on existing records. It calls an external program to handle the budget generation process.
- File:** slnil1 (Budget Level Register)
- Fields:**
 - wwkode (Record Identifier)
 - f0kode (Budget Code)
- Condition:** The process will generate a budget if the user selects option '8'.

2. Accumulation

- Logic:** The program can accumulate data for reporting purposes. It processes records based on user input and generates the necessary output.
- File:** slnil1 (Budget Level Register)
- Condition:** The process will accumulate data if the user selects option '99'.

Special Conditions (Program-Specific)

1. Subfile Management (SC100R)

- Logic:** The program manages a subfile that displays records for user interaction. It handles the reading, updating, and displaying of records in the subfile.
- File:** b1sfl (Subfile for Budget Level Records)
- Field:** b1kode
- Condition:** The subfile is updated based on user selections and actions taken within the program.

2. Record Copying (SC100R)

- Logic:** The program allows users to copy existing records to create new entries based on selected records.
- File:** slnil1 (Budget Level Register)
- Fields:** wwkode (Record Identifier), k2kode (Copy Target Code)
- Condition:** The process will copy a record if the user selects option '3'.

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 Record)

- Trigger:** Called when a user confirms deletion of a budget record.
- Logic:** This program handles the logic for deleting a budget record from the database.
- Impact:** This call acts as a **critical step** in ensuring that records are properly removed from the system.

2. SCCOLR (Copy Budget Record)

- Trigger:** Called when a user selects the option to copy a budget record.
- Logic:** This program manages the copying of a budget record to create a new entry.
- Impact:** This is a **key functionality** for duplicating records within the budget level register.

3. SCGENR (Generate Budget)

- Trigger:** Called when a user opts to generate a new budget based on existing records.
- Logic:** This program generates new budget entries based on the parameters provided.
- Impact:** Represents the **core functionality** for budget creation in the system.

This documentation provides a comprehensive overview of the business logic implemented in the SC100R program, detailing how it manages budget level records through various operations.