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 handling budget records, including creation, modification, deletion, and reporting.

The core logic for maintaining the budget level register is contained within various subroutines in SC100R. The program processes records from the budget level file (slnil1) and manages user interactions through a subfile interface.

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Order Status and Header Rules

SC100R: slnil1, b1sfl

1. Record Creation

•**Logic:** A new record can be created when the input flag for creating a new record is set. The program initializes the necessary fields and displays the input screen for the user to enter new data.

•**File:** slnil1 (Budget Level Register)

•**Field:** Various fields in the budget level record

•**Condition:** The process will create a new record if the input flag *inkf is set to *on.

2. Record Modification

•**Logic:** Existing records can be modified based on user selection from the subfile. The program retrieves the selected record and allows the user to update its details.

•**File:** slnil1 (Budget Level Register)

•**Field:** Various fields in the budget level record

•**Condition:** The process will modify a record if the user selects the modification option (indicated by b1valg being '2').

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Configuration and Authorization Rules

1. Record Deletion

•**Logic:** Records can be deleted if the user confirms the deletion action. The program checks for any dependencies before allowing the deletion.

•**Files:**

•slnil1 (Budget Level Register)

•**Fields:**

•b1kode (Record identifier)

•**Condition:** The deletion will proceed if the user selects the deletion option (indicated by b1valg being '4') and the confirmation field b1endr is not blank.

2. Record Viewing

•**Logic:** Users can view records from the budget level register. The program retrieves the selected record and displays its details.

• **File:** slnil1 (Budget Level Register)

• **Field:** Various fields in the budget level record

• **Condition:** The record will be displayed if the user selects the view option (indicated by b1valg being '5').

Financial and Transactional Rules

1. Budget Generation

• **Logic:** The program allows the generation of a new budget based on existing records. It calls an external program to handle the generation process.

• **File:** slnil1 (Budget Level Register)

• **Fields:**

• f0kode (Budget code)

• f0hhaa (Budget year)

• **Condition:** The budget generation will occur if the user selects the generation option (indicated by b1valg being '60').

2. Accumulation Process

• **Logic:** The program handles the accumulation of budget data and updates the relevant records accordingly.

• **File:** slnil1 (Budget Level Register)

• **Condition:** The accumulation will be processed if the user selects the accumulation option (indicated by b1valg being '99').

Special Conditions (Program-Specific)

1. Subfile Handling (SC100R)

• **Logic:** The program manages a subfile interface for user interaction, allowing users to navigate, select, and perform actions on budget records.

• **File:** b1sfl (Subfile for budget records)

• **Field:** Various fields for user selection

• **Condition:** The subfile is populated based on user actions and selections made during the program execution.

2. Error Handling (SC100R)

• **Logic:** The program includes error handling for various operations, ensuring that users are notified of any issues during record processing.

• **File:** slnil1 (Budget Level Register)

• **Fields:** Error-related fields

• **Condition:** Error messages are displayed based on the outcome of operations, such as unsuccessful record retrieval or invalid user input.

Subprogram Calls Affecting Logic

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

1. SCDELR (Delete Budget Record)

•**Trigger:** Called when a user confirms the deletion of a budget record.

•**Logic:** This program handles the deletion of the specified 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 an existing budget record.

•**Logic:** This program facilitates the copying of budget data to create a new record.

•**Impact:** This is a **key function** for maintaining budget continuity and flexibility.

3. SCGENR (Generate New Budget)

•**Trigger:** Called when the user opts to generate a new budget based on existing records.

•**Logic:** This program generates a new budget based on the parameters provided.

•**Impact:** This represents the **core functionality** for budget planning and management within the system.