

SB100R.MBR

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Business Logic for Budget Level Maintenance

This document outlines the business rules that govern the maintenance of budget level registers, based on an analysis of the RPG program SB100R. The primary focus is on the logic surrounding the handling of budget levels, including creating, updating, deleting, and displaying budget records.

The core logic for budget level maintenance is contained within various subroutines in SB100R.

The program processes user input through a subfile interface, allowing for the management of budget records.

Order Status and Header Rules

Budget Level Maintenance: BUDGET_LEVEL_FILE

1. Create New Record

- **Logic:** A new budget record is created when the user selects the option for a new entry.
- **File:** BUDGET_LEVEL_FILE (File containing budget level records)
- **Field:** BUDGET_CODE
- **Condition:** The process will create a new record if the input flag for creating (*inkf) is set to *on.

2. Update Existing Record

- **Logic:** Updates are made to an existing budget record when the user selects the update option.
- **File:** BUDGET_LEVEL_FILE
- **Field:** BUDGET_CODE
- **Condition:** The process will update a record if the user selects the option for updating (b1valg equals '2').

Configuration and Authorization Rules

1. Delete Record

- **Logic:** A budget record is deleted when the user selects the delete option.
- **Files:**
- BUDGET_LEVEL_FILE
- **Fields:**
- BUDGET_CODE (from BUDGET_LEVEL_FILE)
- **Condition:** The record will be deleted if the user selects the delete option (b1valg equals '4') and the deletion confirmation is provided.

2. Display Record

- **Logic:** Displays the details of a selected budget record.
- **File:** BUDGET_LEVEL_FILE
- **Field:** BUDGET_CODE
- **Condition:** The record will be displayed if the user selects the view option (b1valg equals '5').

Financial and Transactional Rules

1. Transfer to Accounting

- **Logic:** Transfers budget information to the accounting system.

- **File:** BUDGET_LEVEL_FILE

- **Fields:**

- BUDGET_CODE (Budget code to be transferred)

- BUDGET_AMOUNT (Amount associated with the budget)

- **Condition:** The transfer occurs when the user selects the transfer option (b1valg equals '78').

2. Generate Budget

- **Logic:** Generates a new budget based on existing records.

- **File:** BUDGET_LEVEL_FILE

- **Condition:** This action is triggered when the user selects the generate option (b1valg equals '60').

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Special Conditions (Program-Specific)

1. Handle Subfile Operations (SB100R)

- **Logic:** Manages the display and interaction with the subfile containing budget records.

- **File:** BUDGET_LEVEL_FILE

- **Field:** BUDGET_CODE

- **Condition:** The subfile is populated and updated based on user selections in the main menu.

2. Initialize Program Variables (SB100R)

- **Logic:** Initializes program variables and sets up key fields for file operations.

- **File:** BUDGET_LEVEL_FILE

- **Fields:** wwfirm, wwkode

- **Condition:** This initialization occurs at the start of the program to prepare for user interactions.

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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. SBDELR (Delete Budget Record)

- **Trigger:** Called when a delete operation is confirmed.

- **Logic:** This program handles the deletion of a budget record from the database.

- **Impact:** This call acts as a **critical operation** for maintaining data integrity.

2. SBCOLR (Copy Budget Record)

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

- **Logic:** This program facilitates the copying of budget records.

- **Impact:** This allows for quick duplication of budget entries, enhancing user efficiency.

3. SBGENR (Generate New Budget)

- **Trigger:** Called when generating a new budget.

- **Logic:** This program generates a new budget based on the specified parameters.

- **Impact:** Represents the creation of new financial planning data, essential for budget management.

This documentation provides a comprehensive overview of the business logic implemented in the SB100R program, focusing on the management of budget level records within the system.