SB100R.MBR

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Business Logic for Budget Level Maintenance

This document outlines the business rules that govern the maintenance of the budget level register, based on an analysis of the RPG program SB100R. The primary focus is on the handling of budget records, including creation, modification, deletion, and reporting.

The core logic for budget level maintenance is contained within the various subroutines in SB100R. The program processes user inputs through a subfile interface, allowing users to manage budget records effectively.

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Budget Record Management Rules

Budget Level Maintenance: BUDGET_LEVEL_REGISTER

1. Create New Record

•**Logic:** Initiates the creation of a new budget record by resetting relevant fields and displaying the input screen.

•**File:** BUDGET_LEVEL_REGISTER (Stores budget level information)

•**Field:** Various fields related to budget levels

•**Condition:** Triggered when the user selects the option to create a new record.

2. Update Existing Record

•**Logic:** Updates an existing budget record based on user input from the subfile.

•**File:** BUDGET_LEVEL_REGISTER

•**Field:** Various fields related to budget levels

•**Condition:** Triggered when the user selects the option to modify an existing record.

3. Delete Record

•**Logic:** Deletes a selected budget record after confirmation from the user.

•**File:** BUDGET_LEVEL_REGISTER

•**Field:** BUDGET_CODE

•**Condition:** Triggered when the user selects the option to delete a record.

4. Display Record

•**Logic:** Displays the details of a selected budget record for review.

•**File:** BUDGET_LEVEL_REGISTER

•**Field:** BUDGET_CODE

•**Condition:** Triggered when the user selects the option to view a record.

5. Generate Report

•**Logic:** Generates a report based on the current budget records.

•**File:** BUDGET_LEVEL_REGISTER

•**Condition:** Triggered when the user selects the option to print a report.

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Configuration and Authorization Rules

1. Transfer to Accounting

•**Logic:** Transfers budget data to the accounting system for further processing.

•**Files:**

•BUDGET_LEVEL_REGISTER (Stores budget level information)

•ACCOUNTING_REGISTER (Stores accounting entries)

•**Fields:**

•BUDGET_CODE (from BUDGET_LEVEL_REGISTER)

•ACCOUNTING_CODE (from ACCOUNTING_REGISTER)

•**Condition:** Triggered when the user selects the option to transfer budget data.

2. Bulk Update

•**Logic:** Allows for bulk updates of budget records based on specific criteria.

•**File:** BUDGET_LEVEL_REGISTER

•**Field:** BUDGET_CODE

•**Condition:** Triggered when the user selects the bulk update option.

Special Conditions (Program-Specific)

1. Error Handling (SB100R)

•**Logic:** Handles errors during budget record processing, providing feedback to the user.

•**File:** BUDGET_LEVEL_REGISTER

•**Field:** ERROR_CODE

•**Condition:** Triggered when an error occurs during any operation. Note: This logic is crucial for maintaining data integrity.

2. User Confirmation (SB100R)

•**Logic:** Prompts the user for confirmation before performing critical actions like deletion.

•**File:** BUDGET_LEVEL_REGISTER

•**Field:** CONFIRMATION_FLAG

•**Condition:** Triggered when the user attempts to delete a record.

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 user confirms the deletion of a budget record.

•**Logic:** Deletes the specified budget record from the database.

•**Impact:** This call ensures that the budget record is permanently removed from the system.

2. SBCOLR (Copy Budget Record)

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

•**Logic:** Duplicates the selected budget record, allowing for modifications without affecting the original.

•**Impact:** This facilitates the creation of similar budget records efficiently.

3. SBGENR (Generate New Budget)

•**Trigger:** Called when generating a new budget based on existing records.

•**Logic:** Creates a new budget record using specified parameters.

•**Impact:** This represents the handoff to the next major business function of budget generation.

4. SB610C (Print Budget Report)

•**Trigger:** Called when the user opts to print a report of the budget records.

•**Logic:** Generates and formats the budget report for printing.

•**Impact:** This is a critical step for financial reporting and analysis.

This documentation provides a comprehensive overview of the business logic for the budget level maintenance process as implemented in the SB100R RPG program.