SB100R.MBR

Path: NXCLOUD/rpgsrc/SB100R.MBR **Generated**: 2026-01-08 12:35:25 **Processing Time**: 12007ms

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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 logic related to handling budget levels, 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 to manage records in the budget level register, allowing users to create new records, modify existing ones, delete records, and generate reports.

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Budget Level Management Rules

Budget Level Maintenance: BUDGET_LEVEL_REGISTER

1. Create New Record

•**Logic:** The program allows users to create a new budget level record. If the user indicates a new entry, the program initializes the necessary fields and displays the input screen.

•**File:** BUDGET_LEVEL_REGISTER (Contains budget level records)

•**Field:** wwkode

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

2. Modify Existing Record

•**Logic:** Users can modify an existing budget level record by selecting it from the subfile. The program retrieves the record and populates the fields for editing.

•**File:** BUDGET_LEVEL_REGISTER

•**Field:** wwkode

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

3. Delete Record

•**Logic:** The program allows users to delete a budget level record. If the user selects the delete option, the program confirms the action and removes the record from the database.

•**File:** BUDGET_LEVEL_REGISTER

•**Field:** wwkode

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

4. View Record

•**Logic:** Users can view details of a selected budget level record. The program retrieves the record and displays it in a read-only format.

•**File:** BUDGET_LEVEL_REGISTER

•**Field:** wwkode

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

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Configuration and Authorization Rules

1. Transfer to Accounting

•**Logic:** The program allows for the transfer of budget data to the accounting system. This involves validating the budget codes and ensuring they are ready for transfer.

•**Files:**

•BUDGET_LEVEL_REGISTER (Contains budget level records)

•ACCOUNTING_REGISTER (Target for budget data transfer)

•**Fields:**

•wwkode (from BUDGET_LEVEL_REGISTER)

•account_code (from ACCOUNTING_REGISTER)

•**Condition:** The transfer occurs when the user selects the transfer option (indicated by b1valg being '78').

2. Generate Budget Report

•**Logic:** The program generates a report based on the budget levels. It collects the necessary data and formats it for output.

•**File:** BUDGET_LEVEL_REGISTER

•**Field:** wwkode

•**Condition:** The report is generated when the user selects the report option (indicated by b1valg being '6').

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Special Conditions (Program-Specific)

1. Initialize Program (SB100R)

•**Logic:** The program initializes necessary variables and sets up the environment for processing. It prepares the keys for file access and sets default values.

•**File:** BUDGET_LEVEL_REGISTER

•**Field:** wwkode

•**Condition:** This initialization occurs at the start of the program execution.

2. Clear Subfile (xclr01)

•**Logic:** This subroutine clears the contents of the subfile used for displaying budget levels. It resets the counters and flags.

•**File:** BUDGET_LEVEL_REGISTER

•**Field:** srrn01, sfrn01

•**Condition:** This routine is called whenever the subfile needs to be reset, typically before populating it with new data.

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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 Level)

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

•**Logic:** This program handles the actual deletion of the budget level from the database.

•**Impact:** This call ensures that the budget level is properly removed from the system.

2. SBCOLR (Copy Budget Level)

•**Trigger:** Called when a user selects the copy option for a budget level.

•**Logic:** This program duplicates the selected budget level record into a new entry.

•**Impact:** This allows for quick creation of similar budget levels without manual entry.

3. SBGENR (Generate New Budget)

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

•**Logic:** This program creates a new budget record based on specified parameters.

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

This documentation provides a comprehensive overview of the business logic implemented in the SB100R program, detailing the rules and processes involved in maintaining the budget level register.