

RH100R.MBR

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Business Logic for Kontoplan Maintenance

This document outlines the business rules that govern the Kontoplan maintenance process, based on an analysis of the RPG program RH100R. The primary focus is on the logic that handles the maintenance of account plans, including creation, updating, deletion, and validation of accounts. The core logic for Kontoplan maintenance is contained within the various subroutines in RH100R. The program processes records from multiple files related to account plans, ensuring that all necessary validations and updates are performed.

Account Status and Validation Rules

Kontoplan Maintenance: rhovl1, rhovl2, rhovl3, rhovl4, rhovlr, rhovlu, rhsal1, rklal2, rhstl1

1. Standard Account Reference Check

- Logic:** The program checks if all accounts have a reference to the standard account plan. If any account is missing this reference, a message is displayed.
- File:** rhovl1 (Account Plan File)
- Field:** rhrefn
- Condition:** The check is performed during the processing loop, and if rhrefn is equal to zero, a warning message is generated.

2. Account Existence Validation

- Logic:** Before allowing an account to be updated or deleted, the program checks if the account exists in the database.
- File:** rhovlr (Account Details File)
- Field:** rhovlr_kont
- Condition:** The program uses a chain operation to verify the existence of the account before proceeding with updates.

Configuration and Authorization Rules

1. User Authorization Check

- Logic:** The program checks if the user has the necessary permissions to perform actions on account plans.
- Files:**
 - rhovlu (User Permissions File)
 - rhovlr (Account Details File)
- Fields:**
 - rhovlu_kont (from rhovlu)
 - rhovlr_kont (from rhovlr)
- Condition:** The program verifies user permissions against the account being accessed.

2. Account Deletion Validation

- Logic:** The program checks if there are any associated records before allowing an account to be deleted.

- File:** rhsal1 (Account Balance File)
 - Field:** rhsal1_kont
 - Condition:** If there are balance records associated with the account, deletion is not permitted.
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Financial and Transactional Rules

1. Account Update Logic

- Logic:** When updating an account, the program ensures that all necessary fields are filled and valid.
- File:** rhovlu (Account Update File)
- Fields:**
 - rhovlu_kont (Account Number)
 - rhovlu_spes (Special Account Number)
- Condition:** If any required field is blank, an error message is generated, and the update is halted.

2. Account Creation Logic

- Logic:** The program allows for the creation of new accounts, ensuring that all mandatory fields are provided.
 - File:** rhovlu (Account Creation File)
 - Condition:** The program checks for blank fields and displays an error if any are found.
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Special Conditions (Program-Specific)

1. Subfile Management (RH100R)

- Logic:** The program manages a subfile for displaying account records, allowing users to navigate, create, update, and delete records.
- File:** b1sfl (Subfile for Account Records)
- Field:** b1valg
- Condition:** The program processes user input to determine the action (create, update, delete) and updates the subfile accordingly.

2. Error Handling for Account Operations (RH100R)

- Logic:** The program includes error handling for various operations, displaying appropriate messages when errors occur.
 - File:** d1win (Delete Confirmation Window)
 - Fields:** d1kont, d1spes, d1avde
 - Condition:** If an operation fails, the program displays an error message and returns to the previous screen.
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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. AA007R (Account Reference Check Program)

- Trigger:** Called when an account is missing a reference to the standard account plan.
- Logic:** This program generates a warning message indicating which accounts are missing references.

- Impact:** This call acts as a **major logical gateway** for ensuring account integrity.

2. RH110R (Account Posting Maintenance Program)

- Trigger:** Called when maintaining postings for an account.

- Logic:** This program handles the logic for updating account postings based on user input.

- Impact:** This is a **critical step** in ensuring that account postings are accurately maintained.

3. RF020R (Standard Account Plan Program)

- Trigger:** Called when validating standard account plans.

- Logic:** This program checks if the entered standard account exists and retrieves related information.

- Impact:** This call ensures that all accounts are validated against the standard plan, representing a key validation step in the process.