

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 related to managing account entries, including their creation, modification, and deletion.

The core logic for account management is contained within the various subroutines in RH100R. The program processes records from multiple files, allowing users to maintain account details effectively.

Account Status and Validation Rules

Kontoplan: rhovl1, rhovl2, rhovl3, rhovl4, rhovlr, rhsal1, rkla12, rhstl1

1. Check for Standard Account Reference

- Logic:** The program verifies if all accounts have a reference to a standard account. If any account is missing this reference, a message is displayed.
- File:** rhovl1 (Account file)
- Field:** rhrefn
- Condition:** The process will not proceed if rhrefn is equal to *ZERO, indicating a missing reference.

2. Account Existence Check

- Logic:** Before performing operations, the program checks if the specified account exists in the relevant files.
- File:** rhovlr (Account details file)
- Field:** rhovlr_kont
- Condition:** The program will not allow modifications if the account does not exist.

Configuration and Authorization Rules

1. Subfile Management

- Logic:** The program manages subfile entries for displaying account information, allowing users to navigate through records.
- Files:**
 - b1sfl (Subfile for accounts)
- Fields:**
 - b1kont (Account number)
 - b1spes (Special account identifier)
- Condition:** The subfile is updated based on user actions and the current state of the data.

2. Input Validation

- Logic:** The program validates user input for various fields, ensuring that required fields are filled correctly.
- File:** rhovlu (Update account file)

- Field:** rhovlu_kont
 - Condition:** The program will trigger error messages if required fields are blank or invalid.
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Financial and Transactional Rules

1. Account Deletion Check

- Logic:** Before deleting an account, the program checks for associated records to prevent orphaned entries.
- File:** rhsal1 (Account balance file)
- Fields:**
 - rhsal1_kont (Account number)
 - rhsal1_spes (Special identifier)
- Condition:** The deletion will not proceed if there are existing records linked to the account.

2. Account Update Logic

- Logic:** When updating account details, the program ensures that all relevant fields are updated correctly.
 - File:** rhovlu (Account update file)
 - Condition:** The program checks if the account exists before performing the update.
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Special Conditions (Program-Specific)

1. Display of Messages on Duplicate Accounts (RH100R)

- Logic:** If a user attempts to create an account that already exists, a message is displayed to inform them.
- File:** rhovlr (Account details file)
- Field:** rhovlr_kont
- Condition:** The program checks for existing accounts and triggers a message if a duplicate is found.

2. Workflow for Standard Account Reference (RH100R)

- Logic:** The program allows for the selection and assignment of a standard account reference during account creation.
 - File:** rhstl1 (Standard account reference file)
 - Fields:**
 - rhstl1_kont (Standard account number)
 - rhstl1_kont (Description)
 - Condition:** The program checks if the standard account exists before allowing its assignment.
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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 (Error Handling Program)

- Trigger:** Called when an account is missing a standard reference.
- Logic:** Displays an error message to the user indicating which account is missing a reference.
- Impact:** This call acts as a **major logical gateway** for error handling during account validation.

2. RF020R (Standard Account Reference Program)

- Trigger:** Called to retrieve standard account details.
- Logic:** Fetches details for the standard account based on user input.
- Impact:** This is a **critical step** in ensuring that accounts are properly linked to standard references.

3. RH110R (Posting Maintenance Program)

- Trigger:** Called when maintaining postings for an account.
- Logic:** Handles the logic for updating account postings based on user input.
- Impact:** Represents the handoff to the next major business function of maintaining financial postings.

This documentation provides a comprehensive overview of the business logic implemented in the RH100R program, ensuring clarity on how account maintenance is handled within the system.