

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 rules for managing account data, including validation, updates, and user interactions with the subfile interface. The core logic for Kontoplan maintenance is contained within the *inzsr subroutine in RH100R. The program processes account records, allowing for the creation, updating, and deletion of accounts while ensuring that necessary validations are performed.

Account Status and Validation Rules

Kontoplan Maintenance: rhovl1, rhovl2, rhovl3, rhovl4, rhovlr, rhsal1

1. Standard Account Reference Check

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

2. Account Existence Validation

- Logic:** Before allowing updates or deletions, the program verifies if the account exists in the respective files.
- File:** rhovlr (Account details file)
- Field:** rhovlr_kont
- Condition:** "The process will not delete an account if it is found in the rhsal1 file."

Configuration and User Interaction Rules

1. Subfile Management

- Logic:** The program manages a subfile that displays account records. It allows users to navigate, create, update, and delete accounts through function keys.
- Files:**
 - b1sfl (Subfile for account records)
- Fields:**
 - b1kont (Account number)
 - b1spes (Special account identifier)
- Condition:** "The subfile is refreshed every time the user navigates or performs an action."

2. Input Validation

- Logic:** The program validates user input for various fields, ensuring that they meet specific criteria before processing.
- File:** rhovlu (Update account file)
- Field:** rhovlu_kont

- Condition:** "The process will not proceed if rhovlu_kont is blank."
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Financial and Transactional Rules

1. Account Update Logic

- Logic:** When updating an account, the program checks if the account already exists and updates its details accordingly.
- File:** rhovlur (Account update file)
- Fields:**
 - rhovlu_kont (Account number)
 - rhovlu_spes (Special identifier)
- Condition:** "The account will be updated only if it is found in the database."

2. Account Deletion Logic

- Logic:** The program allows for the deletion of accounts, provided there are no associated records in the balance file.
 - File:** rhsal1 (Balance records file)
 - Condition:** "The account will not be deleted if there are existing balance records."
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Special Conditions (Program-Specific)

1. Subfile Refresh on User Action (RH100R)

- Logic:** The subfile is refreshed whenever the user performs an action that modifies the account data.
- File:** b1sfl (Subfile for account records)
- Field:** b1valg
- Condition:** "The subfile will be refreshed if b1valg indicates an action such as create, update, or delete."

2. Error Handling for Account Creation (RH100R)

- Logic:** If an attempt is made to create an account that already exists, an error message is displayed.
 - File:** rhovlr (Account details file)
 - Fields:** rhovlr_kont, rhovlr_spes
 - Condition:** "An error message is shown if the account already exists in the rhovlr file."
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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)

- Trigger:** Called when an account is found to be missing a standard reference.
- Logic:** Displays a message indicating which account is missing a reference.
- Impact:** This call acts as a **major logical gateway** for ensuring account integrity.

2. RF020R (Account Reference Handling)

- Trigger:** Called when processing account references.
- Logic:** Handles the logic for updating and checking account references.

- Impact:** This is a **critical validation step** that ensures all accounts are properly linked to standard accounts.

3. RH110R (Posting Maintenance)

- Trigger:** Called when maintaining postings related to an account.

- Logic:** Manages the posting details for the specified account.

- Impact:** Represents the handoff to the next major business function of posting management.

This documentation provides a comprehensive overview of the business logic implemented in the RH100R program, ensuring clarity on the rules governing account maintenance within the Kontoplan module.