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 the management and validation of account entries within the Kontoplan.

The core logic for Kontoplan maintenance is contained within the various subroutines in RH100R. The program processes records related to account management, including creation, updating, deletion, and validation of accounts.

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Account Status and Validation Rules

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

1. Check for Standard Account Reference

•**Logic:** The program checks if all accounts have a reference to the standard account. If any account is missing this reference, a message is generated.

•**File:** rhovl1 (Account details)

•**Field:** rhrefn

•**Condition:** The process will generate a message if rhrefn is equal to *ZERO.

2. Account Deletion Check

•**Logic:** Before deleting an account, the program checks if there are any balance records associated with the account. If balance records exist, deletion is not permitted.

•**File:** rhsal1 (Balance records)

•**Field:** rikont

•**Condition:** The process will not allow deletion if a matching record is found in rhsal1.

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Configuration and Authorization Rules

1. Account Creation Validation

•**Logic:** When creating a new account, the program validates that the account number is not already in use. If it exists, an error message is displayed.

•**Files:**

•rhovlr (Current account details)

•rhovlu (Account updates)

•**Fields:**

•rhovlr_kont (Current account number)

•rhovlu_kont (New account number)

•**Condition:** The process checks if rhovlr_kont matches rhovlu_kont to prevent duplicates.

2. Validation of VAT Code

•**Logic:** The program validates the VAT code entered for the account. If the code is invalid, an error message is displayed.

•**File:** p_ekod (VAT code)

- **Field:** c2mvak
- **Condition:** The process will trigger an error if the VAT code is not valid.

Financial and Transactional Rules

1. Account Update Logic

- **Logic:** When updating an account, the program retrieves existing account details and allows modifications. It also ensures that the account remains valid after updates.
- **File:** rhovlu (Account updates)
- **Fields:**
- •rhovlu_kont (Account number)
- •rhovlu_spes (Special account details)
- **Condition:** The update will proceed only if the account exists in the database.

2. Standard Account Reference Check

- **Logic:** The program checks if the standard account reference exists for the account being processed. If it does not exist, an error is raised.
- **File:** rhstl1 (Standard account reference)
- **Condition:** The process will not proceed if the standard account reference is not found.

Special Conditions (Program-Specific)

1. Subfile Handling (RH100R)

- **Logic:** The program manages subfile operations for displaying account entries, including pagination and record navigation.
- **File:** b1sfl (Subfile for account entries)
- **Field:** Various fields for account details
- **Condition:** The subfile is populated based on the current state of account records.

2. Error Handling for Account Creation (RH100R)

- **Logic:** If an attempt is made to create an account that already exists, the program displays an error message and prevents the creation.
- **File:** rhovlr (Current account details)
- **Fields:** rhovlr_kont (Account number)
- **Condition:** The process checks for existing accounts before allowing creation.

Subprogram Calls Affecting Logic

Beyond direct file checks, several external subprograms are called that play a significant role in the workflow.

1. AA007R (Standard Account Reference Check)

- **Trigger:** Called when an account is missing a standard reference.
- **Logic:** This program checks for the existence of a standard account reference.
- **Impact:** If the reference is missing, it prevents further processing of the account.

2. RF020R (Account Maintenance Program)

- **Trigger:** Called during various account operations, including updates and validations.
- **Logic:** This program handles the logic for maintaining account details.

•**Impact:** It ensures that all account updates are processed correctly and validations are
 performed.

3. RS705R, RS713R, RS715R, RS716R (Validation Programs)

•**Trigger:** Called to validate VAT codes, budget keys, quantities, and currencies.

•**Logic:** Each program checks the validity of specific fields related to the account.

•**Impact:** These calls ensure that the data integrity is maintained and invalid entries are flagged.

Use clear, business-friendly language. Fill in all sections with details from the code. Output only
the Markdown.