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 maintaining account plans, including creating, updating, deleting, and validating accounts.

The core logic for account maintenance is contained within various subroutines in RH100R. The program processes records related to account plans, allowing users to manage accounts through a subfile interface.

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Account Status and Validation Rules

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

1. Check for Standard Account Reference

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

•**File:** rhovl1 (Account Plan File)

•**Field:** rhrefn

•**Condition:** The process will not proceed if rhrefn is equal to *ZERO.

2. Validate Input Fields

•**Logic:** The program validates several input fields, including VAT code, budget key, quantity, and currency. If any of these fields are invalid, an error message is displayed.

•**Files:**

•rhovlr (Account Reference File)

•rhsal1 (Balance Records File)

•**Fields:**

•p_ekod (VAT Code)

•p_mkod (Budget Key)

•p_okod (Quantity)

•p_pkod (Currency)

•**Condition:** The process will not proceed if any validation fails, indicated by setting specific input indicators.

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Configuration and Authorization Rules

1. Subfile Management

•**Logic:** The program manages a subfile that displays account records. It allows users to create, update, delete, and view accounts.

•**Files:**

•b1sfl (Subfile for Account Records)

•**Fields:**

•b1kont (Account Number)

- •b1spes (Special Account Number)
- •b1avde (Department Number)
- •**Condition:** The subfile is refreshed and updated based on user actions, such as creating or deleting accounts.

2. Positioning in Subfile

- •**Logic:** The program positions the cursor in the subfile based on user input or selected records.
- •**File:** b1sfl (Subfile for Account Records)
- •**Field:** b2kont
- •**Condition:** The cursor is positioned if b2kont, b2spes, or b2avde is not equal to zero or blank.

Financial and Transactional Rules

1. Account Deletion Check

- •**Logic:** Before deleting an account, the program checks if there are any associated balance records. If balance records exist, the deletion is blocked.
- •**File:** rhsal1 (Balance Records File)
- •**Fields:**
- •rhsal1_kont (Account Number)
- •rhsal1_spes (Special Account Number)
- •**Condition:** The deletion will not proceed if rhsal1_kont matches the account being deleted.

2. Account Creation and Update

- •**Logic:** When creating or updating an account, the program checks for existing records to prevent duplicates. If a duplicate is found, a message is displayed.
- •**File:** rhovlr (Account Reference File)
- •**Condition:** The process will not allow creation or update if a record with the same account number already exists.

Special Conditions (Program-Specific)

1. Subroutine for Creating New Accounts (RH100R)

- •**Logic:** This subroutine handles the creation of new accounts, including validation of input fields and displaying messages for any errors.
- •**File:** rhovlr (Account Reference File)
- •**Field:** rhovlr_kont
- •**Condition:** The subroutine will not proceed if the account number is zero or if the account already exists.

2. Subroutine for Deleting Accounts (RH100R)

- •**Logic:** This subroutine manages the deletion of accounts, ensuring that no balance records are associated with the account before deletion.
- •**File:** rhovlu (Account Update File)
- •**Fields:** rhovlu_kont, rhovlu_spes, rhovlu_avde
- •**Condition:** The deletion will not proceed if any balance records are found for the account.

Subprogram Calls Affecting Logic

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

1. AA007R (Error Message Display)

•**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 ensuring account integrity.

2. RF020R (Standard Account Reference Check)

•**Trigger:** Called during the validation of standard account references.

•**Logic:** Validates the standard account reference and updates relevant fields.

•**Impact:** This is a **critical validation step** that ensures accounts are correctly linked to the standard plan.

3. RH110R (Posting Maintenance)

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

•**Logic:** Handles the logic for updating or maintaining postings related to the account.

•**Impact:** Represents the handoff to the next major business function, ensuring that postings are correctly managed.

This documentation provides a comprehensive overview of the business logic implemented in the RH100R program, focusing on the key rules and processes that govern account maintenance within the Kontoplan module.