RE109R.MBR

Path: NXCLOUD/rpgsrc/RE109R.MBR **Generated**: 2026-01-08 15:04:15 **Processing Time**: 11953ms

–

Business Logic for Updating Accounts from External Systems

This document outlines the business rules that govern the process of updating accounts from external systems, based on an analysis of the RPG program RE109R. The primary focus is on the validation and updating of account records based on specific criteria.

The core logic for updating accounts is contained within the main processing logic of the program. The program checks for specific conditions related to the account and firm before proceeding with updates or inserts into the database.

–

Account Validation and Update Rules

Updating Accounts: rhovlu, raa1l1

1. Check Firm and Account Validity

•**Logic:** The program verifies that the firm and account are within acceptable limits. If the firm does not match the expected firm or if the account exceeds a defined limit, the process will skip the update.

•**File:** rhovlu (Account Value File)

•**Field:** rhfirm, rhkont

•**Condition:** The process will not proceed if rhfirm is not equal to l_firm or if rhkont is greater than ra1hkt.

2. Assign Values from Record

•**Logic:** If the firm and account are valid, the program assigns various fields from the record to local working variables for further processing.

•**File:** rhovlu (Account Value File)

•**Field:** rhfirm, rhkont, rhspes, rhavde, rhtext, rhtxt2, rhsprk, rhmvak, rhbnØk, rhproj, rhvalk, rhmvao, rhmvag, rhavdk, rhmngd, rhnØkk, rhalfa

•**Condition:** This assignment occurs only if the previous validity check passes.

–

Field Update Rules

1. Update Fields Based on Conditions

•**Logic:** The program updates specific fields in the account record only if the corresponding working variable is not blank or zero.

•**Files:**

•rhovlu (Account Value File)

•**Fields:**

•rhsprk (Block Code)

•rhmvak (VAT Code)

•rhbnØk (Budget Key)

•rhproj (Project Code)

- •rhvalk (Currency Code)
- •rhmvao (VAT Override)
- •rhmvag (Valid VAT Codes)
- •rhavdk (Department Code)
- •rhmngd (Quantity Code)
- •rhnØkk (Key Figure Code)
- •rhalfa (Alpha Search Field)
- •**Condition:** Each field is updated only if its corresponding working variable is not blank or zero.

Special Conditions

1. Insert or Update Logic

•**Logic:** If a record is found in the rhovlu file, it updates the account; otherwise, it writes a new record. It also timestamps the update or insert with the current date and time.

•**File:** rhovlu (Account Value File)

•**Field:** Various fields including rhtext, rhtxt2, rhsprk, etc.

•**Condition:** The program checks if the record was found using %found. If found, it updates; if not, it writes a new record.

2. Program Initialization

•**Logic:** The program initializes by setting the firm number and name from the local data area (LDA).

•**File:** raa1l1 (Account Status File)

•**Field:** w_firm

•**Condition:** This initialization occurs at the beginning of the program execution.

Subprogram Calls Affecting Logic

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

1. RE110R (Update Accounts from External Systems)

•**Trigger:** This program is called as part of the account update process.

•**Logic:** It handles the main logic for updating accounts based on external data.

•**Impact:** This call acts as a **major logical gateway** for ensuring that accounts are updated correctly based on external inputs.

2. Chain Operations on Files

•**Trigger:** The program uses chain operations to retrieve records from rhovlu and raa1l1.

•**Logic:** These operations are essential for checking the existence of records and retrieving necessary data for updates.

•**Impact:** These operations ensure that the program can accurately determine whether to update or insert records based on existing data.

3. Xlate Operation for Case Conversion

•**Trigger:** The program includes a translation operation to convert the rhalfa field to uppercase.

•**Logic:** This ensures consistency in data formatting.

•**Impact:** This step is crucial for maintaining data integrity and ensuring that searches are case-insensitive.

This documentation provides a comprehensive overview of the business logic contained within the RE109R program, focusing on the validation and updating of account records based on specific criteria and conditions.