

RE109R.MBR

Path: NXCLOUD/rpgsrc/RE109R.MBR Generated: 2026-01-09 10:13:44 Processing Time: 12006ms

Business Logic for Account Update 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 RE110R. 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, which checks conditions related to company and account validity, and updates or writes records accordingly.

Account Validation and Update Rules

Account_Update: rhovlu, raa111

1. Check Company and Account Validity

- Logic:** The program checks if the company (rhfirm) and account (rhkont) are valid against predefined limits.
- File:** rhovlu (Account Validation File)
- Field:** rhfirm, rhkont
- Condition:** The process will not proceed if rhfirm is not equal to l_firm or if rhkont exceeds ra1hkt.

2. Assign Local Variables

- Logic:** If the company and account are valid, the program assigns values from the record to local variables for further processing.
- File:** rhovlu (Account Validation File)
- Field:** rhfirm, rhkont, rhspes, rhavde, rhtext, rhtxt2, rhsprk, rhmvak, rhbnØk, rhproj, rhvalk, rhmvao, rhmvag, rhavdk, rhmngd, rhnØkk, rhalfa
- Condition:** This assignment occurs after confirming the validity of the company and account.

Update Logic Rules

1. Update Existing Account Record

- Logic:** If an account record is found in the rhovlu file, the program updates the existing record with new values.
- Files:**
 - rhovlu (Account Validation File)
- Fields:**
 - rhtext, rhtxt2, rhsprk, rhmvak, rhbnØk, rhproj, rhvalk, rhmvao, rhmvag, rhavdk, rhmngd, rhnØkk, rhalfa
- Condition:** The update occurs if the account record is found in the rhovlu file.

2. Insert New Account Record

- Logic:** If no existing account record is found, a new account record is created with the provided values.

- File:** rhovlu (Account Validation File)
 - Condition:** This action is taken if the previous update check does not find an existing record.
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Special Conditions (Program-Specific)

1. Initialization Subroutine

- Logic:** The program initializes by setting the company number and name from the local data area (LDA).
- File:** raa111 (Account Status Codes)
- Field:** w_firm
- Condition:** This initialization occurs at the beginning of the program to prepare for processing.

2. Key List for Record Access

- Logic:** The program establishes keys for accessing records in both the rhovlu and raa111 files.
 - Files:**
 - rhovlu (Account Validation File)
 - raa111 (Account Status Codes)
 - Fields:**
 - w_firm (from raa111)
 - rhovlu_kont, rhovlu_spes, rhovlu_avde (from rhovlu)
 - Condition:** These keys are set to facilitate record retrieval and updates.
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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. RE110R (Account Update Program)

- Trigger:** This program is executed to update account records based on external system inputs.
- Logic:** It processes account records, checks their validity, and updates or inserts records as necessary.
- Impact:** This call acts as a **major logical gateway**, ensuring that only valid accounts are updated or created.

2. rhovlu (Account Validation File)

- Trigger:** The program checks this file to determine if an account already exists.
- Logic:** It retrieves account details based on the keys established earlier in the program.
- Impact:** This is a **critical filtering step** that determines whether to update an existing record or create a new one.

3. raa111 (Account Status Codes)

- Trigger:** This file is accessed to ensure that the account status is valid.
- Logic:** The program checks against the status codes to validate account processing.
- Impact:** This represents the handoff to the next major business function, ensuring that only accounts with valid statuses are processed.