RL100R.MBR

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Business Logic for Leverandører Vedlikehold

This document outlines the business rules that govern the process of maintaining supplier records in the ERP system, based on an analysis of the RPG program RL100R. The primary focus is on the logic related to displaying, updating, and deleting supplier information.

The core logic for maintaining supplier records is contained within the various subroutines in RL100R. The program handles user interactions through a subfile interface, allowing users to view, add, modify, and delete supplier records.

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Supplier Display and Management Rules

Leverandører: rlevpfr, rlevlrr, rlevl1r, rlevl2r, rlevl3r, rlevlur, rlsopfr, vvarpfr, vvprpfr, rltrpfr, raa1pfr

1. Display Active/All Suppliers

•**Logic:** The program allows users to toggle between viewing all suppliers and only active suppliers.

•**File:** rlevpfr (Supplier File)

•**Field:** rlpass (Active Status)

•**Condition:** If the user presses F5, the program will switch the view based on the current state of the *in55 indicator.

2. Search Functionality

•**Logic:** Users can search for suppliers using various criteria, such as name or postal code.

•**File:** rlevpfr (Supplier File)

•**Field:** rlstek, rlponr (Search Fields)

•**Condition:** If the user enters a search term and presses the search key, the program will execute a search and populate the subfile with matching records.

3. Positioning in Subfile

•**Logic:** The program positions the cursor based on user input or previous selections.

•**File:** rlevpfr (Supplier File)

•**Field:** rllevr, rlalfa, rlponr (Positioning Fields)

•**Condition:** If any of the positioning fields are populated, the program will set the appropriate key and refresh the subfile.

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Supplier Update and Deletion Rules

1. Update Supplier Information

•**Logic:** Users can update supplier details, which are then validated before being saved.

•**Files:**

•rlevlur (Supplier Update File)

•rlsopfr (Supplier Search File)

•**Fields:**

•rllevr (Supplier ID)

•rlalfa, rlnavn, rlgate, rlsted, rlponr, rltlfn (Supplier Details)

•**Condition:** If the user selects to update a supplier, the program checks for existing records and updates the fields accordingly.

2. Delete Supplier

•**Logic:** The program checks for dependencies before allowing a supplier to be deleted.

•**File:** rlevlur (Supplier Update File)

•**Field:** d1levr (Supplier ID)

•**Condition:** The supplier cannot be deleted if there are existing transactions or items linked to that supplier, as checked against vvarl5, vvprl3, and rltrl1.

Special Conditions (Program-Specific)

1. Supplier Existence Check Before Deletion

•**Logic:** The program verifies if a supplier is linked to any items before allowing deletion.

•**File:** vvarl5, vvprl3, rltrl1 (Various Item and Transaction Files)

•**Field:** vvarl5_ldor, vvprl3_ldor, rltrl1_levr (Supplier ID)

•**Condition:** If the supplier exists in any of these files, a message is displayed, and deletion is aborted.

2. Validation of Supplier Data

•**Logic:** The program validates input data for new or updated suppliers against predefined criteria.

•**File:** raa1l1 (Supplier Category File)

•**Field:** k1betb, k1betm, k1katg (Payment Conditions)

•**Condition:** If any of the payment conditions are invalid, an error message is displayed, and the user is prompted to correct the input.

Subprogram Calls Affecting Logic

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

1. CO402R (Validation Program)

•**Trigger:** Called during initialization to check if the supplier number is within a specific range.

•**Logic:** Validates the supplier number against business rules.

•**Impact:** This call ensures that only valid supplier numbers are processed, preventing errors.

2. RL110R (Posting Inquiry)

•**Trigger:** Called when the user selects to view postings related to a supplier.

•**Logic:** Retrieves and displays all postings associated with the selected supplier.

•**Impact:** This provides users with a comprehensive view of supplier transactions, enhancing decision-making.

3. RL643C (Account Statement Generation)

•**Trigger:** Called when generating account statements for a supplier.

•**Logic:** Prepares and outputs the account statement based on supplier data.

•**Impact:** This represents a critical function in supplier management, ensuring that financial records are accurate and up-to-date.