

RL100R.MBR

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Business Logic for Leverandører Vedlikehold

This document outlines the business rules that govern the maintenance of suppliers (leverandører) within the ERP system, based on an analysis of the RPG program RL100R. The primary focus is on how supplier records are created, updated, deleted, and displayed within the system.

The core logic for supplier maintenance is contained within the various subroutines in RL100R.

The program handles user interactions through a subfile interface, allowing users to search, display, and manage supplier records.

Supplier Status and Record Management Rules

Leverandører: rlevpfr, rlsolur, rklal2, vvarpfr, vvprpfr, rltrpfr, raa1pfr

1. Display Active/Inactive Suppliers

- Logic:** The program allows toggling between displaying all suppliers or only active ones.
- File:** rlevpfr (Supplier master file)
- Field:** rlpas
- Condition:** If the user presses F5, the program will switch the display mode based on the current state of the *in55 indicator.

2. Search Functionality

- Logic:** Users can search for suppliers based on various criteria such as supplier number, name, or postal code.
- File:** rlevpfr (Supplier master file)
- Field:** rllevr, rla1a, rlponr
- Condition:** The search is initiated when the user enters a search term and triggers the search subroutine.

3. Positioning in Subfile

- Logic:** The program positions the cursor in the subfile based on user input.
- File:** rlevpfr (Supplier master file)
- Field:** b2levr, b2a1a, b2ponr
- Condition:** Positioning occurs when the user has input valid search criteria.

4. Delete Supplier Record

- Logic:** A supplier can be deleted if there are no associated records in other files.
- File:** rlevlur (Deleted suppliers)
- Field:** d1levr
- Condition:** The delete operation checks for existing records in vvarpfr, vvprpfr, and rltrpfr before proceeding.

Configuration and Authorization Rules

1. Supplier Number Validation

- Logic:** The program checks if the supplier number is within a valid range before allowing further actions.

- Files:**

- rlevlr (Supplier validation)

- Fields:**

- k1levr (Supplier number)

- Condition:** If the supplier number is outside the defined range (700000 to 799999), an error message is displayed.

2. Access Control for Deletion

- Logic:** The program checks if the user has the necessary permissions to delete a supplier.

- File:** vlagpf (Supplier access control)

- Field:** vlfirm

- Condition:** The program verifies access rights before allowing the deletion operation.

Financial and Transactional Rules

1. Check for Associated Transactions

- Logic:** Before deleting a supplier, the program checks if there are any transactions associated with that supplier.

- File:** rltrl1 (Transaction records)

- Field:** rltrl1_levr

- Condition:** If transactions exist, the deletion is blocked, and an error message is displayed.

2. Supplier Record Update

- Logic:** The program updates supplier records with new information when changes are made.

- File:** rlevlur (Supplier updates)

- Condition:** The update occurs after validating the new supplier information and ensuring it does not conflict with existing records.

Special Conditions (Program-Specific)

1. Supplier Creation Check (RL100R)

- Logic:** The program checks if a supplier already exists before allowing the creation of a new supplier record.

- File:** rlevlr (Existing suppliers)

- Field:** k1levr

- Condition:** If a supplier with the same number exists, an error message is displayed, preventing duplication.

2. Handling of Supplier Notes (RL100R)

- Logic:** The program manages notes associated with suppliers, ensuring they are deleted when a supplier is removed.

- File:** rkla12 (Supplier notes)

- Field:** rkla12_levr

- Condition:** Notes are deleted if the supplier is confirmed for deletion.

Subprogram Calls Affecting Logic

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

1. CO402R (Supplier Validation)

- Trigger:** Called during the initialization phase to check if the supplier number is valid.
- Logic:** Validates supplier numbers against predefined criteria.
- Impact:** This call ensures that only valid supplier numbers are processed, preventing errors in subsequent operations.

2. RL110R (Transaction Inquiry)

- Trigger:** Called when the user requests to view transactions related to a supplier.
- Logic:** Retrieves and displays transaction records for the selected supplier.
- Impact:** This call provides critical information regarding supplier activity, enhancing user decision-making.

3. RL643C (Account Statement Generation)

- Trigger:** Called when the user requests to print account statements for a supplier.
- Logic:** Generates and formats account statements based on supplier transactions.
- Impact:** This call facilitates financial reporting and supplier management, ensuring accurate financial records are maintained.

This documentation provides a comprehensive overview of the business logic implemented in the RL100R program for managing supplier records within the ERP system.