

RL100R.MBR

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Business Logic for Leverandører Maintenance

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 the logic related to searching, displaying, and managing supplier records.

The core logic for supplier maintenance is contained within the subfile subroutine in RL100R. This subroutine handles the display and management of supplier records, including searching, adding, updating, and deleting suppliers.

Order Status and Header Rules

Leverandører Maintenance: rlevpfr, rlevl1, rlevl2, rlevl3, vvarpfr, vvprpfr, rlsopfr, rltrl1, raa1pfr, rklapfr

1. Display Active/All Suppliers

- Logic:** The program allows toggling between displaying all suppliers and only active suppliers.
- File:** rlevpfr (Supplier master file)
- Field:** rlpas
- Condition:** If the toggle indicator is set, only active suppliers are displayed.

2. Search Suppliers

- Logic:** The program searches suppliers based on various criteria (e.g., supplier number, name).
- File:** rlevpfr (Supplier master file)
- Field:** b2stek
- Condition:** The search is executed when the search field is not blank.

Configuration and Authorization Rules

1. Supplier Deletion Check

- Logic:** Before a supplier can be deleted, the program checks if there are associated records in other files (e.g., inventory).
- Files:**
 - vvarpfr (Inventory file)
 - vvprpfr (Price file)
- Fields:**
 - vvldor (Supplier ID from inventory)
 - vpldor (Supplier ID from price file)
- Condition:** The deletion is blocked if any associated records are found in the inventory or price files.

2. Supplier Existence Check

- Logic:** The program checks if a supplier exists before performing updates or deletions.
- File:** rlevpfr (Supplier master file)
- Field:** rlevlr_levr

- Condition:** The update or delete operation is only performed if the supplier exists in the master file.

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Financial and Transactional Rules

1. Supplier Update Logic

- Logic:** When updating a supplier, the program ensures that all fields are validated and updated correctly.
- File:** rlevlur (Supplier update file)
- Fields:**
 - rllevr (Supplier ID)
 - rlalfa (Supplier name)
- Condition:** The update is executed only if the supplier ID is valid and exists in the master file.

2. Display Transactions for Supplier

- Logic:** The program retrieves and displays transaction history for a selected supplier.
- File:** rltrl1 (Transaction records)
- Condition:** The display is triggered when the user selects to view transactions for a supplier.

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Special Conditions (Program-Specific)

1. Supplier Addition Logic (RL100R)

- Logic:** When adding a new supplier, the program checks for duplicates and validates input fields.
- File:** rlevlur (Supplier update file)
- Field:** k1levr (New supplier ID)
- Condition:** The addition is blocked if a supplier with the same ID already exists.

2. Supplier Deletion Logic (RL100R)

- Logic:** The program checks if a supplier can be deleted based on existing transactions and inventory.
- File:** vvarpfr, vvprpfr (Inventory and price files)
- Fields:** vvldor, vpldor (Supplier IDs)
- Condition:** The deletion is blocked if the supplier has associated records in the inventory or price files.

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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. CO402R (Supplier Validation Program)

- Trigger:** Called during supplier addition and update processes.
- Logic:** Validates the supplier ID against business rules and returns a status.
- Impact:** This call acts as a **validation gateway**, ensuring that only valid supplier IDs are processed.

2. RL110R (Transaction Inquiry Program)

- Trigger:** Called when the user selects to view transactions for a supplier.
- Logic:** Retrieves transaction records associated with the selected supplier.

- Impact:** This call provides a **transaction history view**, crucial for supplier management.

3. RL643C (Account Statement Program)

- Trigger:** Called when generating account statements for suppliers.

- Logic:** Generates and prints account statements based on supplier transactions.

- Impact:** This represents the **financial reporting function** for suppliers, essential for accounting purposes.