

RL100R.MBR

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Business Logic for Leverandører Vedlikehold

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

The core logic for supplier maintenance is contained within various subroutines in RL100R. The program handles user interactions through a subfile interface, allowing users to search for, view, and manipulate supplier records.

Order Status and Header Rules

Leverandører: RLEVLR, RLEVLU, RLSOLU, RLTRL1

1. Display Active Suppliers

- Logic:** The program displays a list of active suppliers based on user input and filters.
- File:** RLEVLR (Supplier Master File)
- Field:** RLLEV
- Condition:** The program will not display a supplier if the RLLEV field indicates that the supplier is inactive.

2. Search for Suppliers

- Logic:** Users can search for suppliers using various criteria such as name, postal code, and supplier number.
- File:** RLEVLR (Supplier Master File)
- Field:** RLALFA, RLLEV, RLPONR
- Condition:** The search will only return results if at least one of the search fields is populated.

Configuration and Authorization Rules

1. Check for Duplicate Suppliers

- Logic:** The program checks if a supplier already exists before allowing the creation of a new supplier record.
- Files:**
 - RLEVLR (Supplier Master File)
 - RLSOLU (Supplier Search Text)
- Fields:**
 - RLLEV (from RLEVLR)
 - RLSLEV (from RLSOLU)
- Condition:** A duplicate error is raised if the supplier number already exists in the RLEVLR file.

2. Validate Supplier Category

- Logic:** The program validates the supplier category against predefined categories.
- File:** RAA1L1 (Category File)
- Field:** RA1BEK

- Condition:** The program will not accept a supplier category that does not exist in the RAA1L1 file.

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Financial and Transactional Rules

1. Delete Supplier

- Logic:** Before a supplier can be deleted, the program checks if there are any associated transactions or items.
- File:** RLEVLR (Supplier Master File)
- Fields:**
 - RLSALD (Supplier Balance)
 - RLTRL1 (Transaction Records)
- Condition:** The supplier cannot be deleted if the balance is not zero or if there are existing transactions.

2. Print Supplier Account Statement

- Logic:** The program generates and prints an account statement for the selected supplier.
- File:** RL643C (Account Statement Program)
- Condition:** The statement is generated only if the user has selected a valid supplier.

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Special Conditions (Program-Specific)

1. Supplier Creation Validation (RL100R)

- Logic:** The program checks if the supplier number falls within a specific range (700000 to 799999) for new suppliers.
- File:** RLEVLR (Supplier Master File)
- Field:** RLLEV
- Condition:** An error is raised if the supplier number is outside the specified range.

2. Supplier Deletion with Constraints (RL100R)

- Logic:** The program checks for associated items in various inventory files before allowing deletion.
- Files:**
 - VVARPF (Inventory File)
 - VVVRPF (Price File)
 - VLAGPF (Flag File)
- Condition:** The supplier cannot be deleted if items are found in any of the associated 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 the initialization of the program to check if the supplier number is within the valid range.
- Logic:** Validates the supplier number and sets flags for further processing.
- Impact:** This call acts as a **critical validation step** before any supplier record is created.

2. RL110R (Supplier Posting Inquiry)

- Trigger:** Called when the user selects to view postings for a supplier.
- Logic:** Retrieves and displays all postings associated with the selected supplier.
- Impact:** This call provides essential transaction history for the supplier, enhancing user decision-making.

3. RL750R (Supplier Maintenance Program)

- Trigger:** Called after a supplier record is updated to refresh the display.
- Logic:** Updates the user interface with the latest supplier information.
- Impact:** Ensures that the user sees the most current data after making changes, maintaining data integrity.

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This documentation provides a comprehensive overview of the business logic implemented in the RL100R program for supplier maintenance, detailing the rules and conditions that govern the process.