RL100R.MBR

Path: NXCLOUD/rpgsrc/RL100R.MBR **Generated**: 2026-01-08 12:58:53 **Processing Time**: 14837ms

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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 the logic surrounding the management, display, and deletion of supplier records.

The core logic for supplier maintenance is contained within various subroutines in RL100R, including subfile handling, searching, and record updates. The program processes supplier records by allowing users to view, add, modify, and delete supplier information, while also ensuring data integrity through various checks.

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Supplier Management Rules

Leverandører: RLEVLR, RLEVLU, RLSOLU, RLTRL1, VVPRL3, VVARL5, RKLAL2

1. Display Active/Inactive Suppliers

•**Logic:** The program allows users to toggle the visibility of active and inactive suppliers in the subfile.

•**File:** RLEVLR (Supplier Master File)

•**Field:** RLPASS (Active/Inactive Indicator)

•**Condition:** If the user presses F5, the program will show either all suppliers or only active ones, based on the current state of the toggle.

2. Search for Suppliers

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

•**File:** RLEVLR, RLEVLU (Supplier Update File)

•**Field:** RLLEVR, RLALFA, RLPOSTNR

•**Condition:** The search is initiated when the user enters a search term and presses the appropriate function key.

3. Add New Supplier

•**Logic:** The program allows the addition of new suppliers, ensuring that the supplier number is unique.

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

•**Field:** RLLEVR

•**Condition:** The addition is blocked if the supplier number already exists in the RLEVLR file.

4. Modify Existing Supplier

•**Logic:** Users can modify supplier details, including name, address, and contact information.

•**File:** RLEVLR (Supplier Master File)

•**Field:** RLNAVN, RLGAATE, RLSTED, RLTLFN

•**Condition:** The modification is allowed if the supplier exists and the user has the necessary permissions.

5. Delete Supplier

•**Logic:** The program checks for dependencies before allowing the deletion of a supplier to prevent orphan records.

•**File:** RLEVLR, VVPRL3, VVARL5, RLTRL1

•**Field:** RLLEVR

•**Condition:** A supplier cannot be deleted if there are associated records in the inventory or transaction files.

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Configuration and Authorization Rules

1. Check for Active Suppliers Before Deletion

•**Logic:** Before a supplier can be deleted, the program checks if there are any active transactions or inventory linked to the supplier.

•**Files:**

•VVPRL3 (Supplier Price File)

•VVARL5 (Inventory File)

•**Fields:**

•VVLDOR (Supplier ID from Inventory)

•VPLDOR (Supplier ID from Price File)

•**Condition:** The deletion is blocked if the supplier ID exists in either of the files.

2. Supplier Number Validation

•**Logic:** The program validates that the supplier number falls within a specified range before allowing operations.

•**File:** RLEVLR (Supplier Master File)

•**Field:** RLLEVR

•**Condition:** The supplier number must be between 700000 and 799999 if the validation flag is set.

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Financial and Transactional Rules

1. Generate Account Statements

•**Logic:** The program allows users to generate account statements for suppliers.

•**File:** RL643C (Account Statement Generation Program)

•**Condition:** The statement generation is initiated when the user selects the appropriate option from the menu.

2. Display Supplier Transactions

•**Logic:** Users can view all transactions associated with a supplier.

•**File:** RL112R (Transaction Display Program)

•**Condition:** The transaction display is triggered when the user selects a supplier and requests to view transactions.

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Special Conditions (Program-Specific)

1. Supplier Deletion Logic (RL100R)

•**Logic:** The program checks for existing records in related files before allowing deletion.

•**File:** RLEVLR (Supplier Master File)

•**Field:** RLLEVR

•**Condition:** The deletion is blocked if any records exist in the inventory or transaction files.

1. Supplier Creation Logic (RL100R)

•**Logic:** When creating a new supplier, the program checks for existing suppliers with the same number.

•**File:** RLEVLR (Supplier Master File)

•**Field:** RLLEVR

•**Condition:** The creation process is halted if the supplier number already exists.

Subprogram Calls Affecting Logic

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

1. CO402R (Supplier Configuration Check)

•**Trigger:** Called at the beginning of the program to check for specific configurations.

•**Logic:** Validates if the supplier number is within a specific range.

•**Impact:** This check determines if certain validations are applied during supplier operations.

2. AS700R (Search Text Extraction)

•**Trigger:** Called during the search operation to extract search terms.

•**Logic:** Processes the input search text and prepares it for database queries.

•**Impact:** This affects the results returned during supplier searches.

3. RL101R (Supplier Maintenance Program)

•**Trigger:** Called when modifying or viewing supplier details.

•**Logic:** Handles the maintenance operations for suppliers.

•**Impact:** This program is critical for ensuring that supplier data is accurately updated and displayed.

4. RL750R (Supplier Notification)

•**Trigger:** Called after a supplier record is updated.

•**Logic:** Sends notifications related to supplier updates.

•**Impact:** This ensures that relevant stakeholders are informed of changes to supplier information.

5. RL643C (Account Statement Generation)

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

•**Logic:** Processes and formats account statements based on supplier data.

•**Impact:** This is essential for providing financial summaries to suppliers.

This documentation provides a comprehensive overview of the business logic governing supplier maintenance in the ERP system, ensuring that all operations are conducted in accordance with established rules and checks.