RF010R.MBR

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Business Logic for Bilagsregistrering

This document outlines the business rules that govern the process of "Bilagsregistrering" (Voucher Registration), based on an analysis of the RPG program RF010R. The primary focus is on the validation and processing of voucher entries, including checks for account types, amounts, and associated metadata.

The core logic for voucher registration is contained within the various subroutines in RF010R. The program handles user input for voucher details, validates the entries against business rules, and updates the relevant database records accordingly.

Order Status and Header Rules

Bilagsregistrering: RBUNL1, RTRAAL, RAA1L1, RTRAAL, RKUNL1, RLEVL1

1. Check for Existing Voucher Number

•**Logic:** The program checks if the voucher number already exists for the current year to prevent duplicates.

•**File:** RKUNL1 (Customer Records)

•**Field:** BILN (Voucher Number)

•**Condition:** "The process will not allow a voucher number if it already exists for the current year."

2. Validate Voucher Date

•**Logic:** Ensures that the voucher date is not in the future or more than one year in the past.

•**File:** RTRAAL (Transaction Records)

•**Field:** BILDAT (Voucher Date)

•**Condition:** "The voucher date must be valid; it cannot be greater than the current date or less than one year from the current date."

Configuration and Authorization Rules

1. Account Type Validation

•**Logic:** Checks if the account type is valid (Hoved, Kunde, Leverandør) based on the account number provided.

•**Files:**

•RHOVL1 (Account Records)

•RKUNL1 (Customer Records)

•**Fields:**

•KONT (Account Number)

•SPES (Special Account)

•**Condition:** "The account type must be valid and should not be a combination of customer and supplier accounts."

2. Currency Validation

•**Logic:** Ensures that if a currency code is provided, it must exist in the currency register.

- **File:** RA16L1 (Currency Codes)
- **Field:** VALK (Currency Code)
- **Condition:** "The currency code must be valid; it should exist in the currency register."

Financial and Transactional Rules

1. Negative Amount Check

- **Logic:** Validates that the amount entered is not negative.
- **File:** RTRAAL (Transaction Records)
- **Field:** BELØP (Amount)
- **Condition:** "The process will not accept negative amounts."

2. Bunt Number Validation

- **Logic:** Checks if the buntsum (batch sum) is correctly calculated and matches the posted amounts.
- **File:** RBUNL1 (Batch Records)
- **Condition:** "The buntsum must match the total of the posted amounts; otherwise, an error will be raised."

Special Conditions (Program-Specific)

1. User Authorization Check (RF010R)

- **Logic:** Validates if the user has the necessary permissions to register vouchers.
- **File:** AUSRL1 (User Records)
- **Field:** USER (User ID)
- **Condition:** "The user must have the appropriate authorization to perform this action."

2. Date Format Validation (RF010R)

- **Logic:** Ensures that the date format is correct (DD/MM/YYYY).
- **File:** RTRAAL (Transaction Records)
- **Field:** BILDAT (Voucher Date)
- **Condition:** "The date must be in the correct format; otherwise, an error will be raised."

Subprogram Calls Affecting Logic

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

1. AA002R (Firm Selection Program)

- **Trigger:** Called when selecting a firm during voucher registration.
- **Logic:** Retrieves firm details and sets them for processing.
- **Impact:** "This call ensures that the correct firm is associated with the voucher."

2. RF011C (Label Printing Program)

- **Trigger:** Called when printing labels for vouchers.
- **Logic:** Generates labels based on the voucher details.
- **Impact:** "This is a crucial step for documentation and tracking of vouchers."

3. RS701R (Voucher Code Validation)

- **Trigger:** Called to validate the voucher code against the code register.

- **Logic:** Checks if the provided voucher code is valid.
- **Impact:** "This acts as a major logical gateway to ensure compliance with coding standards."

Use clear, business-friendly language. Fill in all sections with details from the code. Output only the Markdown.