RM100R.MBR

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Business Logic for RM100R

This document outlines the business rules that govern the maintenance of common properties (Almenning) based on an analysis of the RPG program RM100R. The primary focus is on the handling of subfiles and user interactions within the program.

The core logic for maintaining common properties is contained within the subfile subroutine in RM100R. The program processes records related to common properties, allowing users to create, update, delete, and view these records through a user interface.

Order Status and Header Rules

RM100R: ralml1, ralml2, ralmlr, ralmlu, apospf

1. Record Selection

- **Logic:** The program selects records from the ralml1 and ralml2 files based on user input and navigational commands.
- **File:** ralml1 (Common properties master file)
- **Field:** ralml1_alme
- **Condition:** The process will not select a record if ralml1_alme is not equal to 0 or if ralml2_navn is blank.

2. Subfile Initialization

- **Logic:** Initializes the subfile for display by clearing previous entries and preparing for new data.
- **File:** b1sfl (Subfile for common properties)
- **Field:** w_srrn
- **Condition:** The subfile is cleared and filled only if w_srrn is greater than 0.

Configuration and Authorization Rules

1. User Access Control

- **Logic:** The program checks user permissions and roles before allowing changes to common properties.
- **Files:**
- ralml1 (Common properties master file)
- ralml2 (Common properties detail file)
- **Fields:**
- l_user (Current user)
- l_firm (Firm identifier)
- **Condition:** The program will restrict access if the user does not have the appropriate permissions for the firm associated with the records.

2. Error Handling

- **Logic:** Displays error messages when invalid input is detected, such as duplicate entries or missing required fields.

- **File:** c1msg (Message display screen)
- **Field:** b_anul
- **Condition:** The error message is shown if a duplicate entry is attempted during the creation of a new record.

Financial and Transactional Rules

1. Record Update Logic

- **Logic:** Updates existing records in the ralmlu file based on user input from the detail screen.
- **File:** ralmlu (Common properties update file)
- **Fields:**
- rmnavn (Name of the common property)
- rmadr1 (Address line 1)
- **Condition:** The record is updated only if the entry exists in the database.

2. Record Deletion Logic

- **Logic:** Deletes a record from the ralmlu file when the delete command is issued by the user.
- **File:** ralmlu (Common properties update file)
- **Condition:** The record is deleted only if it is found in the database.

Special Conditions (Program-Specific)

1. Subfile Management (RM100R)

- **Logic:** Manages the display and interaction with the subfile, allowing users to navigate, edit, and delete records.
- **File:** b1sfl (Subfile for common properties)
- **Field:** b1valg
- **Condition:** The subfile is managed based on user input and navigational commands, with specific actions triggered by function keys.

2. Record Copying Logic (RM100R)

- **Logic:** Allows users to copy existing records to create new entries in the common properties.
- **File:** ralmlr (Common properties reference file)
- **Fields:** k1alme (Key for the record to copy), rmnavn (Name of the common property)
- **Condition:** The copy operation is performed only if the source record exists and is valid.

Subprogram Calls Affecting Logic

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

1. RM105R (Property Details Maintenance)

- **Trigger:** Called when the user selects to view or edit property details.
- **Logic:** This program handles the detailed view and editing of a selected common property.
- **Impact:** This call represents a **major logical gateway** for detailed property management.

2. RM110R (Property Linking)

- **Trigger:** Invoked when the user selects to link properties to other entities.
- **Logic:** This program manages the linking of common properties to other records.

•**Impact:** This is a **critical step** in maintaining relationships between properties and other entities.

3. VB100R (Item Linking)

•**Trigger:** Called when the user selects to link items to a common property.

•**Logic:** This program handles the linking of items to the selected common property.

•**Impact:** This call facilitates the **integration of inventory items** with common properties.