

# RM100R.MBR

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## Business Logic for RM100R

This document outlines the business rules that govern the maintenance of common properties (almenning) within the RM100R RPG program. The primary focus is on how the program handles subfile operations, user interactions, and data management for property records.

The core logic for managing property records is contained within the various subroutines in the RM100R program. The program processes user input, interacts with multiple files, and updates records based on user actions.

## Order Status and Header Rules

**RM100R:** ralml1, ralml2, ralmlr, ralmlu, apospf

### 1. Record Selection for Display

- Logic:** The program displays records in a subfile based on user input for property names and identifiers.
- File:** ralml1 (Almenning records)
- Field:** ralml1\_alme
- Condition:** The program will not display records if the property name (b2navn) is blank or if the property identifier (b2alme) is zero.

### 2. Subfile Clearing

- Logic:** Before populating the subfile, the program clears existing entries to prepare for new data.
- File:** b1sfl (Subfile for display)
- Field:** w\_srrn
- Condition:** The subfile will be cleared if the current record number (w\_srrn) is not zero.

## Configuration and Authorization Rules

### 1. User Authorization for Actions

- Logic:** The program checks user permissions before allowing updates or deletions of property records.
- Files:**
  - ralmlr (Read access for property records)
  - ralmlu (Update access for property records)
- Fields:**
  - ralmlr\_alme (Property identifier from ralmlr)
  - ralmlu\_alme (Property identifier from ralmlu)
- Condition:** Users can only update or delete records if they have the necessary permissions and the record exists.

### 2. Validation of Input Fields

- Logic:** The program validates user input for required fields such as property name and postal code.

- File:** apospf (Postal code records)
  - Field:** apospf\_ponr
  - Condition:** The program will not proceed if the postal code (c2ponr) is invalid or if the property name (c2navn) is blank.
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## Financial and Transactional Rules

### 1. Record Creation and Update

- Logic:** The program creates or updates property records based on user input and checks for existing records to avoid duplicates.
- File:** ralmlu (Update access for property records)
- Fields:**
  - rmnavn (Property name)
  - rmadr1 (Address line 1)
- Condition:** If a record with the same property identifier already exists, the program prompts the user with a message and does not create a new record.

### 2. Deletion of Records

- Logic:** The program allows users to delete property records after confirming the action.
  - File:** ralmlu (Update access for property records)
  - Condition:** The deletion will only occur if the user confirms the action in the deletion confirmation window.
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## Special Conditions (Program-Specific)

### 1. Subfile Management (RM100R)

- Logic:** The program manages the display and navigation of records in a subfile, including paging and scrolling through records.
- File:** b1sfl (Subfile for display)
- Field:** w\_srrn
- Condition:** The subfile will be populated based on the current record number and the total number of records available.

### 2. Error Handling and Messaging (RM100R)

- Logic:** The program provides feedback to the user when errors occur, such as invalid input or duplicate records.
  - File:** c1msg (Message display)
  - Fields:** c1alme (Property identifier)
  - Condition:** If a duplicate record is detected, the program displays a message and prompts the user for further action.
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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. RM105R (Property Maintenance Program)

- Trigger:** Called when the user selects to view or edit property details.

- Logic:** This program handles the detailed maintenance of property records, including validation and updates.

- Impact:** This call acts as a **major logical gateway** for property management.

## **2. RM110R (Property Linking Program)**

- Trigger:** Called when the user selects to link properties to other entities.

- Logic:** This program manages the linking of properties to various entities within the system.

- Impact:** This is a **critical step** in ensuring that properties are correctly associated with other records.

## **3. VB100R (Item Linking Program)**

- Trigger:** Called when the user selects to link items to properties.

- Logic:** This program facilitates the linking of inventory items to property records.

- Impact:** This represents the handoff to the next major business function, ensuring that inventory management is integrated with property records.