

RP001R.MBR

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Business Logic for Koder Vedlikehold

This document outlines the business rules that govern the maintenance of codes within the system, based on an analysis of the RPG program RP001R. The primary focus is on how codes are created, updated, displayed, and deleted in the subfile interface.

The core logic for code maintenance is contained within the various subroutines in RP001R. The program utilizes subfiles to manage and display records of different code types, specifically focusing on the "Prosjektkategori" (Project Category) type.

Order Status and Header Rules

Koder Vedlikehold: rpkol1, rpkol2, rpkolr, rpkolu

1. Record Creation

• **Logic:** New records can be created for project categories, and the system checks if the record already exists before allowing the creation.

• **File:** rpkol1 (Project Category Codes)

• **Field:** rpkol1_kkod

• **Condition:** The process will not create a record if rpkol1_kkod already exists in the database.

2. Record Update

• **Logic:** Existing records can be updated based on user input, and the system checks for the existence of the record before updating.

• **File:** rpkolr (Current Project Category Record)

• **Field:** rpkolr_kkod

• **Condition:** The update will only occur if the record is found in the database.

Configuration and Authorization Rules

1. User Authorization

• **Logic:** The program checks the user's firm and type to determine access rights and the type of codes being managed.

• **Files:**

• rpkol1 (Project Category Codes)

• rpkol2 (Descriptions)

• **Fields:**

• w_firm (User's Firm)

• w_type (Type of Code)

• **Condition:** The process will only proceed if the w_type matches the expected type ('PRKA' for Project Category).

2. Display Control

• **Logic:** Controls the display of the subfile based on whether there are records to show.

• **File:** b2cmd (Command Display)

- Field:** w_srrn
 - Condition:** If w_srrn is not equal to zero, the display will show the command options; otherwise, it will not.
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Financial and Transactional Rules

1. Record Deletion

•**Logic:** Allows for the deletion of records, ensuring that the user confirms the action before proceeding.

•**File:** rpkolr (Current Project Category Record)

•**Fields:**

•d1kode (Code to be deleted)

•rpkolu_kkod (Key for the record to delete)

•**Condition:** The deletion will only occur if the user confirms the action in the deletion window.

2. Record Copying

•**Logic:** Enables the copying of existing records to create new ones, with checks to ensure the source record exists.

•**File:** rpkolr (Current Project Category Record)

•**Condition:** The copy action will only proceed if the source record is found in the database.

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Special Conditions (Program-Specific)

1. Subfile Management (RP001R)

•**Logic:** Manages the display and interaction with subfiles, including pagination and record navigation.

•**File:** b1sfl (Subfile for Project Categories)

•**Field:** w_srrn

•**Condition:** The subfile will be populated based on user interactions and the current record number.

2. Error Handling and Feedback (RP001R)

•**Logic:** Provides feedback to the user when errors occur, such as attempting to create a duplicate record.

•**File:** c1msg (Message Display)

•**Fields:** b_anul (Cancel flag)

•**Condition:** An error message will be displayed if the user tries to create a record that already exists.

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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. dsp_subfile (Display Subfile)

•**Trigger:** Called to refresh and display the current state of the subfile.

•**Logic:** Checks if there are records to display and updates the subfile accordingly.

•**Impact:** This call acts as a **major logical gateway** for user interaction with the subfile.

2. clr_subfile (Clear Subfile)

- Trigger:** Called to reset the subfile before populating it with new data.
- Logic:** Clears existing records and prepares the subfile for new entries.
- Impact:** Ensures that the subfile does not display stale or irrelevant data.

3. crt_subfile (Create Subfile)

- Trigger:** Called to populate the subfile with records based on the current selection.
- Logic:** Reads records from the database and fills the subfile for display.
- Impact:** Represents the handoff to the next major business function of displaying records for user interaction.