RP001R.MBR

Path: NXCLOUD/rpgsrc/RP001R.MBR **Generated**: 2026-01-08 12:35:18 **Processing Time**: 14029ms

–

Business Logic for Koder Vedlikehold

This document outlines the business rules that govern the maintenance of codes, specifically project categories, based on an analysis of the RPG program RP001R. The primary focus is on the logic related to subfile management, user interactions, and data processing for project categories.

The core logic for code maintenance is contained within the various subroutines in RP001R. The program manages user input, displays data in subfiles, and handles CRUD (Create, Read, Update, Delete) operations on project category codes.

–

Order Status and Header Rules

Koder Vedlikehold: rpkol1, rpkol2, rpkolr, rpkolu

1. Display Subfile Data

•**Logic:** The program displays a subfile containing project category codes and descriptions for user interaction.

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

•**Field:** rpkol1_kkod

•**Condition:** The subfile is populated when the user navigates to the maintenance screen.

2. Positioning in Subfile

•**Logic:** The program positions the cursor based on user input for either code or description.

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

•**Field:** b2kode, b2text

•**Condition:** If either b2kode or b2text is not blank, the program will call the positioning subroutine.

–

Configuration and Authorization Rules

1. User Authorization Check

•**Logic:** The program checks user permissions based on the type of code being processed.

•**Files:**

•rpkol1 (Project Category Codes)

•rpkol2 (Project Category Descriptions)

•**Fields:**

•w_firm (Firm Identifier)

•w_type (Code Type)

•**Condition:** The program initializes the screen based on the user's firm and code type.

2. Subfile Control Initialization

•**Logic:** Initializes the control for the subfile display.

•**File:** b2ctl (Subfile Control)

•**Field:** *in14

•**Condition:** The control is set to display when the subfile is being cleared.

–

Financial and Transactional Rules

1. Create or Update Project Category

•**Logic:** The program either creates a new project category or updates an existing one based on user input.

•**File:** rpkolur (Updated Project Category)

•**Fields:**

•rpkkod (Project Category Code)

•rpktxt (Project Category Description)

•**Condition:** If the user input is valid and the category does not already exist, a new record is created; otherwise, the existing record is updated.

2. Delete Project Category

•**Logic:** Allows the user to delete a project category from the database.

•**File:** rpkolur (Project Category)

•**Condition:** The delete operation is triggered when the user confirms the deletion in the delete window.

–

Special Conditions (Program-Specific)

1. Subfile Refresh (RP001R)

•**Logic:** Refreshes the subfile display based on the current record number and user interactions.

•**File:** b1sfl (Subfile)

•**Field:** w_srrn

•**Condition:** The subfile is refreshed when the user navigates back or performs an action that requires displaying updated data.

2. Error Handling for Existing Codes (RP001R)

•**Logic:** Displays an error message if the user attempts to create a project category that already exists.

•**File:** c1msg (Message Display)

•**Fields:** c1kode (Code), c1text (Message Text)

•**Condition:** Triggered when a duplicate code is detected during the creation process.

–

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 display the contents of the subfile after data is processed.

•**Logic:** Manages the display of records in the subfile based on the current state of the data.

•**Impact:** This call ensures that the user sees the most up-to-date information in the subfile.

2. crt_subfile (Create Subfile)

•**Trigger:** Invoked to populate the subfile with project category data.

•**Logic:** Reads from the database and fills the subfile with relevant records.

•**Impact:** This is a **critical step** for ensuring the subfile is populated correctly for user interaction.

3. xc2bld (Maintenance Program Call)

•**Trigger:** Called when the user wants to create or update a project category.

•**Logic:** Handles the logic for maintaining project category records.

•**Impact:** This represents the **core functionality** for adding or modifying project categories within the system.