MM102R.MBR

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Business Logic for Prognosis per Week Maintenance

This document outlines the business rules that govern the maintenance of weekly prognosis data, based on an analysis of the RPG program MM102R. The primary focus is on the processing of subfiles and user interactions for managing prognosis data.

The core logic for the maintenance of weekly prognosis is contained within the *inzsr subroutine in MM102R. The program handles user input for creating, updating, and deleting records related to weekly prognosis, as well as displaying the relevant data in a subfile format.

Order Status and Header Rules

Prognosis: mprul1, mprul2, mprulr

1. Record Creation

•**Logic:** A new prognosis record is created if the user provides valid year and week values. If a record with the same year and week already exists, the user is notified.

•**File:** mprul1 (Prognosis Data)

•**Field:** mprul1_aar, mprul1_uke

•**Condition:** The process will not create a record if mprul1_aar is less than 2005 or greater than 2050, or if mprul1_uke is less than 1 or greater than 52.

2. Record Deletion

•**Logic:** A prognosis record can be deleted if the user confirms the action through a dedicated delete window.

•**File:** mprulur (Prognosis Records)

•**Field:** mprulu_aar, mprulu_uke

•**Condition:** The deletion occurs only if the user selects the delete option and confirms the action.

Configuration and Authorization Rules

1. User Authorization Check

•**Logic:** The program checks if the user has the necessary permissions to modify prognosis records.

•**Files:**

•vvarl1 (Item Data)

•**Fields:**

•vvarl1_vare (Item Identifier)

•**Condition:** The user must be authorized to access the item data before any modifications can be made.

2. Input Validation

•**Logic:** The program validates user input for year and week before processing.

•**File:** mprul1 (Prognosis Data)

•**Field:** mprul1_aar, mprul1_uke
•**Condition:** The input values must meet specified criteria (year between 2005 and 2050, week between 1 and 52).

Financial and Transactional Rules

1. Record Update

•**Logic:** Existing prognosis records are updated with new values if the user provides valid input.
•**File:** mprulur (Prognosis Records)
•**Fields:**
•mrantr (Transaction Amount)
•mrvsor (Vendor Source)
•**Condition:** The update occurs only if the record exists and the user has the necessary permissions.

2. Subfile Population

•**Logic:** The subfile is populated with prognosis records based on the specified year and week.
•**File:** mprul1 (Prognosis Data)
•**Condition:** The subfile is filled only if there are records that match the user's criteria.

Special Conditions (Program-Specific)

1. Subfile Refresh (MM102R)

•**Logic:** The subfile is refreshed to display the latest prognosis data after any modifications.
•**File:** b1sfl (Subfile for Display)
•**Field:** b1aar, b1uke
•**Condition:** The refresh occurs when the user performs an action that modifies the prognosis data.

2. Error Messaging (MM102R)

•**Logic:** If a user attempts to create a record that already exists, an error message is displayed.
•**File:** mprulr (Prognosis Records)
•**Fields:** mprulr_aar, mprulr_uke
•**Condition:** The error message is triggered if the record is found during the validation step.

Subprogram Calls Affecting Logic

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

1. clr_subfile (Clear Subfile)

•**Trigger:** Called to clear the contents of the subfile before repopulating it.
•**Logic:** Resets the subfile counters and clears the display.
•**Impact:** This ensures that the subfile displays only the most current data.

2. crt_subfile (Create Subfile)

•**Trigger:** Called to populate the subfile with prognosis records.
•**Logic:** Reads records from the mprul1 file and writes them to the b1sfl subfile.
•**Impact:** This is a **critical step** for displaying the prognosis data to the user.

3. xc2bld (Maintenance Program Call)

•**Trigger:** Called when the user wants to create or update a prognosis record.

•**Logic:** Handles the logic for maintaining the prognosis data.

•**Impact:** Represents the **core functionality** for managing prognosis records, ensuring data integrity and user feedback.