MM102R.MBR

Path: NXCLOUD/rpgsrc/MM102R.MBR **Generated**: 2026-01-08 15:43:00 **Processing Time**: 18370ms

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Business Logic for Prognosis by 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 handling of subfile operations, record management, and user interactions within the program.

The core logic for maintaining weekly prognosis is contained within the init subroutine in MM102R. The program processes records from various files, allowing users to create, update, delete, and display prognosis data for specific weeks and years.

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Order Status and Header Rules

Prognosis by Week: mprul1, mprul2, mprulr, vvarl1

1. Record Selection for Display

•**Logic:** The program retrieves records based on the specified year and week, allowing users to view prognosis data.

•**File:** mprul1 (Prognosis records)

•**Field:** mprul1_aar, mprul1_uke

•**Condition:** The program will only select records if the year (mprul1_aar) and week (mprul1_uke) are provided.

2. Subfile Management

•**Logic:** The program manages a subfile to display multiple records, allowing for pagination and navigation.

•**File:** b1sfl (Subfile for displaying prognosis)

•**Field:** w_srrn, w_ssrn

•**Condition:** The subfile will be populated based on the records retrieved, and will handle user navigation through the records.

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Configuration and Authorization Rules

1. User Input Validation

•**Logic:** The program validates user input for year and week to ensure they fall within acceptable ranges.

•**Files:**

•mprulr (Prognosis records for updates)

•**Fields:**

•c1aar (Year)

•c1uke (Week)

•**Condition:** The program will raise an error if the year is less than 2005 or greater than 2050, or if the week is less than 1 or greater than 52.

2. Record Existence Check

- **Logic:** Before creating or updating records, the program checks if a record already exists for the specified year and week.
- **File:** mprulr (Prognosis records)
- **Field:** mprulr_aar, mprulr_uke
- **Condition:** If a record is found, the program will prompt the user with a message indicating the record already exists.

Financial and Transactional Rules

1. Record Creation and Update

- **Logic:** The program allows users to create new prognosis records or update existing ones based on user input.
- **File:** mprulur (Prognosis records for updates)
- **Fields:**
- mprulu_aar (Year)
- mprulu_uke (Week)
- **Condition:** Records are created or updated based on user actions, and the program captures the user and timestamp for auditing.

2. Record Deletion

- **Logic:** The program provides functionality to delete existing prognosis records.
- **File:** mprulur (Prognosis records)
- **Condition:** The deletion process is initiated by the user and confirmed through a dedicated screen.

Special Conditions (Program-Specific)

1. Subfile Refresh (MM102R)

- **Logic:** The program refreshes the subfile to reflect the latest data after any operation (create, update, delete).
- **File:** b1sfl (Subfile for displaying prognosis)
- **Field:** w_srrn, w_ssrn
- **Condition:** The subfile is cleared and repopulated whenever a record is modified. Note: This ensures that the displayed data is always current.

2. User Interaction Handling (MM102R)

- **Logic:** The program handles various function keys for user navigation and operations within the subfile.
- **File:** b2cmd (Command screen for user actions)
- **Fields:** b1valg (User action selection)
- **Condition:** Different actions are triggered based on the function keys pressed by the user, such as creating, updating, or deleting records.

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 records are processed.

•**Logic:** This subroutine manages the display logic for the subfile, ensuring the correct records are shown to the user.

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

2. clr_subfile (Clear Subfile)

•**Trigger:** Called to clear the contents of the subfile before repopulating it.

•**Logic:** This subroutine resets the subfile indicators and prepares it for new data.

•**Impact:** This is a **destructive filtering step** that ensures old data does not persist in the display.

3. crt_subfile (Create Subfile)

•**Trigger:** Called to populate the subfile with records from the prognosis data.

•**Logic:** This subroutine reads records from the main prognosis file and writes them to the subfile for display.

•**Impact:** This represents the handoff to the next major business function of displaying data to the user for interaction.