

# MM102R.MBR

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## Business Logic for Prognosis by Week Maintenance

This document outlines the business rules that govern the process of maintaining weekly prognosis data, based on an analysis of the RPG program MM102R. The primary focus is on how the program handles user interactions with subfiles and manages data related to prognosis by week.

The core logic for maintaining prognosis data is contained within the \*inzsr subroutine in MM102R. The program processes user inputs, updates records, and manages subfile displays for prognosis data.

### Order Status and Header Rules

Prognosis by Week: mprul1, mprul2, mprulr, vvarl1

#### 1. Record Selection

- **Logic:** The program selects records based on the year and week provided by the user.
- **File:** mprul1 (Prognosis records)
- **Field:** mprul1\_aar, mprul1\_uke
- **Condition:** The program will not select a record if both b2aar and b2uke are not equal to zero.

#### 2. Subfile Initialization

- **Logic:** The subfile is cleared and prepared for new data based on user input.
- **File:** b1sfl (Subfile for displaying prognosis)
- **Field:** w\_srrn, w\_ssrrn
- **Condition:** The subfile is initialized when the program starts and when the user selects a new year or week.

### Configuration and Authorization Rules

#### 1. User Input Validation

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

##### • **Files:**

- mprulr (Prognosis records)
- vvarl1 (Item records)

##### • **Fields:**

- c1aar (Year)
- c1uke (Week)

• **Condition:** The process will trigger an error if c1aar is less than 2005 or greater than 2050, or if c1uke is less than 1 or greater than 52.

#### 2. Record Existence Check

- **Logic:** The program checks if a record already exists for the specified year and week before allowing updates.

- **File:** mprulr (Prognosis records)
  - **Field:** mprulr\_aar, mprulr\_uke
  - **Condition:** If a record is found, the program prompts the user with a message indicating that the record already exists.
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## Financial and Transactional Rules

### 1. Record Update Logic

- **Logic:** The program updates existing records with new data provided by the user.
- **File:** mprulur (Prognosis update records)
- **Fields:**
  - mrantr (New prognosis value)
  - mruser (User making the update)
- **Condition:** The update occurs if the record is found; otherwise, a new record is created.

### 2. Record Deletion Logic

- **Logic:** The program allows users to delete existing prognosis records.
  - **File:** mprulur (Prognosis update records)
  - **Condition:** The deletion is executed if the user confirms the action through the delete confirmation screen.
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## Special Conditions (Program-Specific)

### 1. Subfile Navigation (MM102R)

- **Logic:** The program handles navigation through the subfile, allowing users to scroll through records.
- **File:** b1sfl (Subfile for displaying prognosis)
- **Field:** w\_srrn, w\_ssrrn
- **Condition:** Users can navigate back and forth in the subfile, and the display updates accordingly.

### 2. Error Handling (MM102R)

- **Logic:** The program displays error messages for invalid inputs or actions.
  - **File:** c1msg (Message display)
  - **Fields:** b\_anul (Cancel flag)
  - **Condition:** If an error occurs, the program prompts the user with an error message and allows them to correct their input.
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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. xc1bld (Build New Record Screen)

- **Trigger:** This program is called when the user attempts to create a new prognosis record.
- **Logic:** It initializes the screen for entering new record data.
- **Impact:** This call ensures that the user is presented with a clean interface for data entry.

### 2. xc2bld (Build Update Record Screen)

- **Trigger:** This program is called when the user selects an existing record to update.

- Logic:** It populates the screen with the current record data for editing.

- Impact:** This allows users to modify existing records efficiently.

### **3. xd1win (Delete Confirmation Window)**

- Trigger:** This program is called when the user opts to delete a record.

- Logic:** It presents a confirmation dialog to the user.

- Impact:** This step is crucial for preventing accidental deletions and ensuring user intent.

This documentation provides a comprehensive overview of the business logic implemented in the MM102R program, detailing how it manages prognosis data for weekly maintenance.