

MM102R.MBR

Path: NXCLOUD/rpgsrc/MM102R.MBR **Generated:** 2026-01-09 10:13:44 **Processing Time:** 11610ms

Business Logic for MM102R

This document outlines the business rules that govern the maintenance of weekly forecasts based on an analysis of the RPG program MM102R. The primary focus is on the handling of subfiles and the logic for maintaining forecast data.

The core logic for processing weekly forecasts is contained within the *inzsr subroutine in MM102R. The program utilizes subfiles to display and manage forecast data, allowing users to create, update, delete, and copy records.

Order Status and Header Rules

MM102R: mprul1, mprul2, mprulr, vvarl1

1. Record Selection

- Logic:** The program selects records based on the year and week specified by the user.
- File:** mprul1 (Forecast data file)
- Field:** mprul1_aar, mprul1_uke
- Condition:** The process will not select a record if mprul1_aar or mprul1_uke is not equal to the user-specified values.

2. Subfile Initialization

- Logic:** Initializes the subfile for displaying records.
- File:** b1sfl (Subfile for displaying forecast records)
- Field:** w_ssrn, w_ssrn
- Condition:** The subfile will be cleared and filled based on the current position in the data.

Configuration and Authorization Rules

1. User Authorization

- Logic:** Checks if the user has the necessary permissions to perform actions on the forecast records.
- Files:**
 - vvarl1 (Item master file)
- Fields:**
 - vvarl1_vare (Item identifier)
- Condition:** The program will only allow updates if the item exists in the vvarl1 file.

2. Input Validation

- Logic:** Validates the year and week input by the user to ensure they fall within acceptable ranges.
- File:** mprul1 (Forecast data file)
- Field:** mprul1_aar, mprul1_uke
- Condition:** The year must be between 2005 and 2050, and the week must be between 1 and 52.

Financial and Transactional Rules

1. Record Update Logic

- Logic:** Updates the forecast record with new data if it exists; otherwise, it creates a new record.
- File:** mprulur (Forecast update file)
- Fields:**
 - mprulu_aar (Year)
 - mprulu_uke (Week)
- Condition:** The record will be updated if found; otherwise, a new record will be written.

2. Record Deletion

- Logic:** Deletes a forecast record based on the year and week specified by the user.
 - File:** mprulur (Forecast update file)
 - Condition:** The record will be deleted if it matches the specified year and week.
-

Special Conditions (Program-Specific)

1. Subfile Management (MM102R)

- Logic:** Handles the display and management of records in a subfile format, allowing for user interaction.
- File:** b1sfl (Subfile for displaying forecast records)
- Field:** b1valg (User action selection)
- Condition:** The subfile will be updated based on user actions such as create, update, delete, or copy.

2. Error Handling (MM102R)

- Logic:** Displays error messages when invalid input is detected or when attempting to create a duplicate record.
 - File:** c1msg (Message display file)
 - Fields:** b_anul (Cancel flag)
 - Condition:** An error message will be shown if the user attempts to create a record that already exists.
-

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 it has been populated.
- Logic:** Displays the subfile records and manages user interactions with the subfile.
- Impact:** This call ensures that the user can view and interact with the records effectively.

2. clr_subfile (Clear Subfile)

- Trigger:** Called to clear the contents of the subfile before repopulating it.
- Logic:** Resets the subfile indicators and prepares it for new data.
- Impact:** This is a necessary step to ensure that stale data does not remain in the subfile.

3. crt_subfile (Create Subfile)

- Trigger:** Called to fill the subfile with records from the forecast data file.
- Logic:** Reads records from mprul1 and populates the subfile.
- Impact:** This represents the primary data loading step for the user interface, allowing users to see the current forecast records.