MB100R.MBR

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Business Logic for ABC Parameter Maintenance

This document outlines the business rules that govern the ABC parameter maintenance process, based on an analysis of the RPG program MB100R. The primary focus is on how the program manages the ABC classification of inventory items, including updates and validations.

The core logic for ABC parameter maintenance is contained within the *inzsr subroutine in MB100R. This subroutine initializes the program, sets up necessary data structures, and processes user input to manage ABC codes for inventory items.

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Order Status and Header Rules

ABC Parameter Maintenance: mabcl1, mabcl2, mabclr, mabclu

1. Initialize Program

•**Logic:** Initializes the program, sets up keys for accessing various files, and prepares the subfile for user interaction.

•**Files:** mabcl1 (ABC parameter file), mabcl2 (ABC parameter details), mabclr (ABC parameter read), mabclu (ABC parameter update)

•**Field:** Various fields related to ABC parameters

•**Condition:** The program starts when the user invokes it, initializing necessary data structures.

2. Display Subfile

•**Logic:** Displays the current records in the subfile based on user input and navigation.

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

•**Field:** w_srrn, w_ssrn

•**Condition:** The subfile is populated when the user navigates through the records.

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Configuration and Authorization Rules

1. Validate Input Fields

•**Logic:** Ensures that input fields meet specific criteria before processing.

•**Files:**

•mabcl1 (ABC parameter file)

•mabclr (ABC parameter read)

•**Fields:**

•w_firm (Firm identifier)

•w_vsor (Item sort)

•**Condition:** The program checks if the fields are valid before allowing updates or inserts.

2. Check for Existing Records

•**Logic:** Validates whether the record already exists in the database before allowing updates.

•**File:** mabclr (ABC parameter read)

•**Field:** mabclr_vsor

•**Condition:** If a record is found, the program prevents duplicate entries.

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Financial and Transactional Rules

1. Update ABC Codes

•**Logic:** Updates the ABC codes for inventory items based on user input.

•**File:** mabclu (ABC parameter update)

•**Fields:**

•mabclu_vsor (Item sort)

•mabclu_lagk (Warehouse key)

•**Condition:** The update occurs when the user confirms changes to the ABC codes.

2. Delete ABC Records

•**Logic:** Deletes specified ABC records from the database.

•**File:** mabclu (ABC parameter update)

•**Condition:** The deletion is triggered by user action to remove an ABC parameter.

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Special Conditions (Program-Specific)

1. Call Maintenance Program (MB601C)

•**Logic:** Invokes an external program to handle specific maintenance tasks related to ABC codes.

•**File:** MB601C (Maintenance program)

•**Field:** Various fields related to ABC parameters

•**Condition:** This call is made when the user opts to perform maintenance on the ABC
 parameters.

2. Update Inventory with ABC Code

•**Logic:** Updates inventory records with the new ABC codes after classification.

•**File:** vvarlu (Inventory file)

•**Fields:** vvarlu_vare (Item identifier), vlaglu_lage (Warehouse)

•**Condition:** The update occurs when the user confirms the changes to the ABC classification.

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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. MB601C (ABC Code Maintenance)

•**Trigger:** Called during the update process of ABC codes.

•**Logic:** Handles the maintenance tasks for ABC codes.

•**Impact:** This call acts as a **major logical gateway** for ensuring that updates are correctly applied
 to the inventory.

2. VC500R (Item Sort Maintenance)

•**Trigger:** Called when managing item sorts.

•**Logic:** Updates the item sort based on user input.

•**Impact:** This is a **critical step** in ensuring that item classifications are accurate.

3. VG510R (Group Maintenance)

•**Trigger:** Called when managing groups associated with items.

•**Logic:** Updates group information based on user input.

•**Impact:** Represents the handoff to the next major business function of managing item groups.

4. MM747R (ABC Code Update on Forecast)

•**Trigger:** Called to update ABC codes based on forecast data.

•**Logic:** Updates the ABC classification based on forecast parameters.

•**Impact:** Ensures that inventory management is aligned with forecasting data.

This documentation provides a comprehensive overview of the business logic implemented in the MB100R program for managing ABC parameters, ensuring clarity on the rules and processes involved.