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 the logic related to managing and updating ABC codes for inventory items.

The core logic for maintaining ABC parameters is contained within the *inzsr subroutine in MB100R. The program processes records related to inventory items and their associated ABC classifications, allowing for updates, deletions, and queries.

Order Status and Header Rules

ABC Parameter Maintenance: mabcl1, mabcl2, mabclr, mabclu, mabdl2, mabdlu, vvarlu, vogrl1, vhgrl1, vugrl1, vvarl1, vshel1

1. Record Selection for Updates

•**Logic:** The program selects records based on the current parameters and updates the ABC code for the specified inventory item.

•**File:** mabcl1 (ABC Parameter Table)

•**Field:** mabcl1_ogrp, mabcl1_hgrp, mabcl1_ugrp

•**Condition:** The record will be selected if w_firm matches the firm identifier and the group identifiers are set appropriately.

2. Record Deletion

•**Logic:** The program deletes records from the ABC parameter table based on user input.

•**File:** mabclu (ABC Parameter Update Table)

•**Field:** mabclu_lagk

•**Condition:** A record will be deleted if the user confirms the deletion action.

Configuration and Authorization Rules

1. Parameter Validation

•**Logic:** The program validates input parameters to ensure they meet business rules before processing.

•**Files:**

•mabcl1 (ABC Parameter Table)

•mabdl2 (ABC Detail Table)

•**Fields:**

•mabcl1_vsor (Item Sort)

•mabdl2_lagk (Warehouse Key)

•**Condition:** The process will not proceed if any required fields are blank or invalid.

2. User Authorization Check

•**Logic:** The program checks if the user has the necessary permissions to perform updates.

•**File:** mabclu (ABC Parameter Update Table)

•**Field:** mabclu_lagk

•**Condition:** The update will only occur if the user is authorized (checked via w_valg).

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Financial and Transactional Rules

1. Update Inventory Records

•**Logic:** The program updates inventory records with the new ABC codes based on user input.

•**File:** vvarlu (Inventory Items)

•**Fields:**

•vvarlu_vare (Item Code)

•vvarlu_lagk (Warehouse Key)

•**Condition:** The update will occur if the item exists in the vvarlu file and the ABC code is valid.

2. Summarize ABC Classifications

•**Logic:** The program summarizes the counts of items classified under each ABC category.

•**File:** mabdl2 (ABC Detail Table)

•**Condition:** The summary will be generated based on the current records in the mabdl2 file.

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Special Conditions (Program-Specific)

1. ABC Code Update on Forecast (MB747R)

•**Logic:** The program calls another routine to update the ABC code based on forecast data.

•**File:** mabclu (ABC Parameter Update Table)

•**Field:** mabclu_lagk

•**Condition:** This update is triggered when the forecast data changes.

2. Handling of Inventory Parameters

•**Logic:** The program manages inventory parameters, ensuring they are correctly set before processing.

•**File:** vvarlu (Inventory Items)

•**Fields:** vvarlu_vare, vvarlu_lagk

•**Condition:** The process will not proceed if the inventory parameters are not valid or if the user input is incorrect.

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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 (Update ABC Codes)

•**Trigger:** Called when updating ABC codes for inventory items.

•**Logic:** This program updates the ABC classifications based on the current parameters.

•**Impact:** This call acts as a **critical update step** in the maintenance process.

2. MB104R, MB105R, MB106R (Various Inventory Operations)

•**Trigger:** Called based on user selection for different inventory operations (copy, delete, etc.).

•**Logic:** Each program handles specific inventory operations as per user requests.

•**Impact:** These calls represent **key functional pathways** for managing inventory.

3. VC500R (Retrieve Item Information)

•**Trigger:** Called when retrieving information about inventory items.

•**Logic:** This program fetches details about the item based on the provided parameters.

•**Impact:** This call is essential for **validating and displaying item information**.

Use clear, business-friendly language. Fill in all sections with details from the code. Output only the Markdown.