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 that handles the updating and management of ABC codes for inventory items.

The core logic for maintaining ABC parameters is contained within the *inzsr subroutine in MB100R. This subroutine initializes the program, sets up the necessary data structures, and processes user inputs to manage inventory classifications.

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Order Status and Header Rules

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

1. Record Initialization

•**Logic:** Initializes the program and sets up keys for various data structures related to ABC parameters.

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

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

•**Condition:** The program initializes these fields to zero upon starting.

2. Subfile Processing

•**Logic:** Processes the subfile to display and manage ABC parameters.

•**File:** b1sfl (Subfile for ABC Parameters)

•**Field:** b1vsor, b1ogrp, b1hgrp, b1ugrp

•**Condition:** The subfile is populated based on user selections and interactions.

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Configuration and Authorization Rules

1. Parameter Validation

•**Logic:** Validates input parameters to ensure they meet business rules before processing.

•**Files:**

•mabclu (ABC Parameter Update File)

•mabclr (ABC Parameter Read File)

•**Fields:**

•mabclu_vsor (from mabclu)

•mabclr_vsor (from mabclr)

•**Condition:** The process will not proceed if the vsor field is blank or invalid.

2. User Authorization Check

•**Logic:** Checks if the user has the necessary permissions to update ABC parameters.

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

•**Field:** mabclu_lagk

•**Condition:** The update will not occur if the user lacks authorization.

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Financial and Transactional Rules

1. Update Inventory Records

•**Logic:** Updates inventory records based on the selected ABC parameters.

•**File:** vvarlu (Inventory File)

•**Fields:**

•vvarlu_vare (Inventory Item)

•vvarlu_lagk (Warehouse Key)

•**Condition:** The update occurs only if the item exists in the inventory.

2. Delete Inventory Records

•**Logic:** Deletes inventory records associated with the specified ABC parameters.

•**File:** mabdlu (Deleted Inventory Records)

•**Condition:** The deletion will only proceed if the record exists and is marked for deletion.

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Special Conditions (Program-Specific)

1. ABC Code Update on Forecast (MB601C)

•**Logic:** Calls the MB601C program to update ABC codes based on inventory forecasts.

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

•**Field:** mabclu_vsor

•**Condition:** This call is made when the user selects to update based on forecast data.

2. Inventory Cleanup (MB401R)

•**Logic:** Calls the MB401R program to clean up inventory records based on ABC codes.

•**File:** mabdlu (Deleted Inventory Records)

•**Fields:** mabdlu_lagk, mabdlu_vsor

•**Condition:** This cleanup is triggered when the user initiates a cleanup operation.

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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 during the update process of ABC parameters.

•**Logic:** Updates the ABC codes based on inventory data.

•**Impact:** This call acts as a **critical update point** for maintaining accurate inventory classifications.

2. MB401R (Cleanup Inventory)

•**Trigger:** Called when cleaning up inventory records.

•**Logic:** Cleans up records based on the specified ABC codes.

•**Impact:** This is a **destructive filtering step** that ensures outdated records are removed.

3. VC500R (Retrieve Item Data)

•**Trigger:** Called to retrieve data for inventory items based on user input.

•**Logic:** Fetches detailed information about inventory items.

•**Impact:** This call is essential for **validating and displaying item data** during the maintenance process.