LL100R.MBR

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Business Logic for Lager Maintenance

This document outlines the business rules that govern the process of maintaining inventory data, based on an analysis of the RPG program LL100R. The primary focus is on the rules and logic that dictate how inventory records are managed and updated within the system.

The core logic for inventory maintenance is contained within the various subroutines in LL100R. The program handles operations such as displaying inventory records, updating inventory details, and managing user interactions through function keys.

Inventory Management Rules

Lager: Vlagl1, Vlagl2, Vlaglr, Vlaglu

1. Record Selection

•**Logic:** The program selects inventory records based on the specified firm and item numbers.

•**File:** Vlagl1 (Primary inventory file)

•**Field:** Vlagl1_vare

•**Condition:** The process will not select a record if the firm or item number does not match the current context.

2. Record Update

•**Logic:** Updates inventory records with new values when changes are made.

•**File:** Vlaglu (Inventory update file)

•**Field:** Vlaglu_vare

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

User Access and Authorization Rules

1. Function Key Access

•**Logic:** The program checks if the user has access to specific function keys based on their role.

•**Files:**

•Ausrl1 (User role file)

•**Fields:**

•Ausrl1_user (User identifier)

•**Condition:** Access is granted if the user is authorized for the function key being pressed.

2. Supplier Price Check

•**Logic:** The program checks if the prioritized supplier has a price for the item.

•**Files:**

•Vvprl1 (Supplier price file)

•**Fields:**

•Vvprl1_vare (Item number)

•Vvprl1_ldor (Supplier identifier)

•**Condition:** The check is performed only if the supplier and item are valid.

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Inventory Transaction Rules

1. Inventory Transfer

•**Logic:** Transfers inventory data from one item to another, ensuring that all relevant details are copied.

•**File:** Vlaglr (Inventory reference file)

•**Fields:**

•Vlaglr_vare (Source item)

•Vlaglr_lage (Source location)

•**Condition:** The transfer is executed only if the source item exists in the inventory.

2. Inventory Deletion

•**Logic:** Allows for the deletion of inventory records, with confirmation required from the user.

•**File:** Vlagl1 (Primary inventory file)

•**Condition:** Deletion is only permitted if the user confirms the action.

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Special Conditions (Program-Specific)

1. Type Change Confirmation

•**Logic:** If an item changes type from inventory to non-inventory, the user must confirm the change.

•**File:** Vlagl1 (Primary inventory file)

•**Field:** Vlagl1_vtyp (Item type)

•**Condition:** The confirmation is required if the current type is 'L' (inventory) and the new type is 'S' (non-inventory).

2. Supplier Validation

•**Logic:** Validates that the supplier for an item is active and has valid pricing.

•**File:** Vvprl1 (Supplier price file)

•**Fields:**

•Vvprl1_vare (Item number)

•Vvprl1_ldor (Supplier identifier)

•**Condition:** The validation occurs only if the supplier is marked as active.

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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. CO402R (Configuration Check Program)

•**Trigger:** Called during initialization to check user-specific settings.

•**Logic:** Determines if certain user-specific configurations should be applied.

•**Impact:** This call affects how inventory filters are applied based on user settings.

2. VV500R (Item Query Program)

•**Trigger:** Called when querying item details based on user input.

•**Logic:** Retrieves item details and validates them against the inventory.

•**Impact:** Ensures that only valid items are processed in the inventory system.

3. MD510R (Location Query Program)

•**Trigger:** Called when checking the validity of storage locations.

•**Logic:** Validates if the specified location is active and available for inventory.

•**Impact:** This affects the overall inventory management process by ensuring only valid locations are used.

This documentation provides a comprehensive overview of the business logic implemented in the LL100R program, focusing on inventory management, user authorization, transaction rules, and special conditions that govern the workflow.