

LL100R.MBR

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Business Logic for LL100R

This document outlines the business rules that govern the process of maintaining inventory data within the IBM i RPG program LL100R. The primary focus is on how inventory records are processed, updated, and validated.

The core logic for inventory maintenance is contained within the overf_info subroutine in LL100R. This subroutine handles the transfer of inventory data to another item, ensuring that all relevant fields are updated and validated according to business rules.

Inventory Management Rules

LL100R: vlagpfr, vvarpfr, lldipfr, vvprpfr, fstspfr, rlevpfr, ra30pfr, vla2st

1. Transfer Inventory Data

• **Logic:** This rule allows the transfer of inventory data from one item to another, ensuring that all relevant fields are populated correctly.

• **File:** vlagpfr (Inventory Master File)

• **Field:** vlaglu_vare, vlaglu_lage

• **Condition:** The process will only proceed if the source item exists in the inventory.

2. Validate Item Existence

• **Logic:** Before transferring data, the program checks if the source item exists in the inventory.

• **File:** vlagpfr (Inventory Master File)

• **Field:** vlaglr_vare, vlaglr_lage

• **Condition:** The transfer will not occur if the source item does not exist.

Configuration and Authorization Rules

1. User Access Control

• **Logic:** The program checks if the user has the necessary access rights to perform certain actions based on function keys.

• **Files:**

• ausrl1 (User Access File)

• **Fields:**

• ausrl1_user (User ID)

• **Condition:** The program will restrict access if the user does not have the required permissions.

2. Filter by User

• **Logic:** If a specific condition is met, the program filters inventory records based on the user's access.

• **File:** vlagpfr (Inventory Master File)

• **Field:** h1lage (Warehouse Location)

• **Condition:** If the user is set to control inventory, the program will filter records accordingly.

Financial and Transactional Rules

1. Update Inventory Records

• **Logic:** The program updates inventory records with new values after a transfer.

• **File:** vlaglur (Inventory Update File)

• **Fields:**

• vplas (Warehouse Location)

• vlmini (Minimum Stock Level)

• **Condition:** Updates occur only if the item exists in the inventory.

2. Check for Active Inventory

• **Logic:** The program checks whether an item has active inventory before allowing changes to its type.

• **File:** vvarl1 (Item Master File)

• **Condition:** The program will prompt for confirmation if the item has active inventory and its type is changing.

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Special Conditions (Program-Specific)

1. Confirm Type Change (L -> S)

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

• **File:** vlaglur (Inventory Update File)

• **Field:** b_endr_vtyp (Type Change Confirmation)

• **Condition:** The program will prompt the user for confirmation if the item has active inventory.

2. Confirm Type Change (S -> L)

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

• **File:** vlaglur (Inventory Update File)

• **Field:** b_endr_vtyp (Type Change Confirmation)

• **Condition:** The program will prompt the user for confirmation if the item has active inventory.

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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 to check user-specific configurations and access rights.

• **Logic:** This program checks if the user has specific permissions related to inventory management.

• **Impact:** This call acts as a **major logical gateway** to ensure that only authorized users can perform certain actions.

2. VV500R (Item Lookup Program)

• **Trigger:** Called when validating item numbers during inventory updates.

• **Logic:** This program retrieves item descriptions and validates item existence.

- Impact:** Ensures that only valid items are processed, preventing errors in inventory management.

3. RL500R (Supplier Lookup Program)

- Trigger:** Called to check supplier information during inventory updates.

- Logic:** This program retrieves supplier details based on the provided supplier ID.

- Impact:** Ensures that supplier information is accurate and up-to-date, which is critical for inventory management.

This documentation serves as a comprehensive guide to the business logic implemented in the LL100R program, detailing the rules and processes that govern inventory management within the system.