

LL100R.MBR

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Business Logic for LL100R

This document outlines the business rules that govern the inventory maintenance process, based on an analysis of the RPG program LL100R. The primary focus is on the logic related to inventory data management, including the transfer of inventory data to other items.

The core logic for inventory maintenance is contained within the overf_info subroutine in LL100R. This subroutine is responsible for handling the transfer of inventory data and ensuring that the necessary validations and updates are performed on the inventory records.

Inventory Data Transfer Rules

LL100R: vlagpfr, vvarpfr, lldipfr, vvprpfr, fstspfr, rlevpfr, ra30pfr, ra10pfr, vla2st, vlaglur, vlaglu, vlaglr, vvarl1, vvprl1, lldil1, vlagl1, vlagl2, vlaglu, vlaglr, vvarl1

1. Transfer Inventory Data

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

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

• **Field:** vlaglu_vare, vlaglu_lage

• **Condition:** The transfer will only occur if the source inventory exists and is valid.

2. Validate Source Inventory

• **Logic:** Checks if the source inventory exists before proceeding with the transfer.

• **File:** vlaglr (Inventory Lookup File)

• **Field:** vlaglr_vare, vlaglr_lage

• **Condition:** The process will not proceed if the source inventory does not exist.

User Access and Authorization Rules

1. User Access Validation

• **Logic:** Validates whether 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 based on the user's role and the function key pressed.

2. Check for Locked Inventory

• **Logic:** Checks if the inventory item is locked for editing.

• **File:** vvarl1 (Inventory Item File)

• **Field:** vvtyp (Item Type)

• **Condition:** The process will not allow changes if the item is marked as locked.

Inventory Update and Maintenance Rules

1. Update Inventory Records

•**Logic:** Updates inventory records with new values after a transfer.

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

•**Fields:**

•vlplas (Storage Location)

•vlmini (Minimum Quantity)

•**Condition:** The update will occur only if the inventory exists in the update file.

2. Log Inventory Changes

•**Logic:** Logs changes made to inventory records for auditing purposes.

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

•**Condition:** A log entry is created whenever an inventory record is updated.

Special Conditions (Program-Specific)

1. Confirm Inventory Type Change (LL100R)

•**Logic:** Prompts the user for confirmation when changing the item type from stock to non-stock.

•**File:** vvarl1 (Inventory Item File)

•**Field:** vvtyp (Item Type)

•**Condition:** The confirmation is required if the item has existing stock.

2. Handle Supplier Price Check (LL100R)

•**Logic:** Checks if the supplier has a valid price for the inventory item.

•**File:** vvprl1 (Supplier Price File)

•**Condition:** The check is performed during the inventory update process.

Subprogram Calls Affecting Logic

Beyond direct file checks, several external subprograms are called that play a significant role in the workflow.

1. CO402R (Configuration Management Program)

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

•**Logic:** Determines if the user has specific control over inventory management.

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

2. RL500R (Supplier Lookup Program)

•**Trigger:** Called when checking supplier information for inventory items.

•**Logic:** Validates supplier details and retrieves relevant data.

•**Impact:** Ensures that the inventory updates are consistent with supplier agreements.

3. VL001R (Inventory Logging Program)

•**Trigger:** Called whenever an inventory record is updated or changed.

•**Logic:** Logs the changes made to inventory records for auditing.

•**Impact:** This ensures compliance and traceability of inventory changes.

This documentation provides a comprehensive overview of the business logic implemented in the LL100R program, focusing on the critical aspects of inventory management and user access control.