

# 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.

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## 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.
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## 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.
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# 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:**
  - vlplas (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.