

LL100R.MBR

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Business Logic for Lager Maintenance Process

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

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

Order Status and Header Rules

Lager Maintenance: vlagpfr, vvarpfr, lldipfr, fstspfr, rlevpfr, ra30pfr

1. Transfer Inventory Data

- Logic:** Transfers inventory data from one item to another, ensuring all relevant fields are populated.
- File:** vlagpfr (Inventory file)
- Field:** vlaglu_vare, vlaglu_lage
- Condition:** The process will not proceed if the source item does not exist in the inventory.

2. Validate Item Existence

- Logic:** Checks if the item exists in the inventory before proceeding with the transfer.
- File:** vlagpfr (Inventory file)
- Field:** vlaglr_vare, vlaglr_lage
- Condition:** The process will raise an error if the item is not found in the inventory.

Configuration and Authorization Rules

1. User Access Control

- Logic:** Checks if the user has access to perform operations based on function keys.
- Files:**
 - ausrpfr (User access file)
- Fields:**
 - ausrl1_user (User ID)
- Condition:** The operation will be blocked if the user does not have the required permissions.

2. Filter Configuration

- Logic:** Allows filtering of inventory records based on user-defined criteria.
- File:** vlagpfr (Inventory file)
- Field:** vlaglu_vare, vlaglu_lage
- Condition:** The filter will only apply if the user has specified criteria.

Financial and Transactional Rules

1. Price Check

- Logic:** Validates if the item has an associated price before allowing the transfer.
- File:** vvprpfr (Price file)
- Fields:**
 - vvprl1_vare (Item ID)
 - vvprl1_ldor (Supplier ID)
- Condition:** The transfer will not proceed if the price is not found.

2. Inventory Adjustment

- Logic:** Adjusts inventory levels based on the transfer operation.
- File:** vlagpfr (Inventory file)
- Condition:** Inventory levels must be updated to reflect the transfer.

Special Conditions (Program-Specific)

1. Change Item Type (L to S)

- Logic:** Prompts the user for confirmation when changing an item type from 'L' (inventory) to 'S' (non-inventory).
- File:** vlagpfr (Inventory file)
- Field:** c2vtyp (Item Type)
- Condition:** The process will require user confirmation if the item has active inventory.

2. Log Inventory Changes

- Logic:** Logs changes made to inventory items for auditing purposes.
- File:** vlagpfr (Inventory file)
- Fields:** hlrec (Change record)
- Condition:** Changes will be logged whenever an item type is modified.

Subprogram Calls Affecting Logic

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

1. CO402R (Configuration Retrieval)

- Trigger:** Called during initialization to fetch user-specific settings.
- Logic:** Retrieves configuration values based on user and firm.
- Impact:** This call affects how the program behaves based on user settings.

2. RL500R (Supplier Query)

- Trigger:** Called to validate supplier information during item transfer.
- Logic:** Checks if the supplier is valid for the given item.
- Impact:** This ensures that only valid suppliers are associated with inventory items.

3. MD510R (Inventory Location Query)

- Trigger:** Called when querying inventory locations.
- Logic:** Validates if the specified inventory location is active.
- Impact:** This affects the ability to transfer items to specific locations.

This documentation provides a comprehensive overview of the business logic governing the Lager Maintenance process in the LL100R program, ensuring clarity and understanding of the rules and conditions that apply.