

# LX401R.MBR

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## Business Logic for LX401R

This document outlines the business rules that govern the process of transferring inventory units to the inventory register, based on an analysis of the RPG program LX401R. The primary focus is on the logic that handles reading from the inventory register, finding the inventory unit in the item register, and updating the inventory unit records.

The core logic for the inventory transfer is contained within the main program section of LX401R. The program reads records from the inventory file, processes each record to find the corresponding item in the item file, and updates the inventory unit with relevant information.

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## Inventory Transfer and Update Rules

**LX401R:** vlaglu, vvarl1

### 1. Read Inventory Records

- Logic:** The program reads records from the inventory register (vlaglu) until no more records are available.
- File:** vlaglu (Inventory Register)
- Field:** vlvare
- Condition:** The process continues reading records as long as the end-of-file indicator (\*in90) is not set.

### 2. Update Inventory Unit

- Logic:** For each inventory record read, the program retrieves the corresponding item from the item register (vvarl1) and updates the inventory unit with the current date, time, and user information.
  - File:** vvarl1 (Item Register)
  - Field:** vvarl1\_vare
  - Condition:** The update occurs if the item is found in the item register.
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## Initialization and Key Definition Rules

### 1. Key Definition for Item Lookup

- Logic:** The program initializes keys for looking up items in the item register based on the firm and item number.
  - Files:**
    - vvarl1 (Item Register)
  - Fields:**
    - w\_firm (Firm Identifier)
    - vvarl1\_vare (Item Number)
  - Condition:** The keys are set up during the initialization subroutine to ensure correct lookups.
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## Special Conditions (Program-Specific)

### **1. End of Program Handling (LX401R)**

- Logic:** The program sets the last record indicator (\*inlr) to on and returns control to the calling program upon completion of processing.
- File:** None
- Condition:** This occurs after all records have been processed.

### **2. Subroutine for Program Initialization (LX401R)**

- Logic:** The initialization subroutine sets up the keys necessary for looking up items in the item register.
- File:** vvarl1 (Item Register)
- Fields:** w\_firm (Firm Identifier), vvarl1\_vare (Item Number)
- Condition:** This subroutine is called at the beginning of the program to prepare for item lookups.

## **Subprogram Calls Affecting Logic**

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

### **1. N/A (No external subprograms identified)**

- Trigger:** N/A
- Logic:** N/A
- Impact:** N/A

This program does not appear to call any external subprograms, focusing solely on reading and updating records within the defined files. The logic is straightforward, primarily involving file I/O operations and record updates.