

LE100R.MBR

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Business Logic for LE100R

This document outlines the business rules that govern the maintenance of counting lists, based on an analysis of the RPG program LE100R. The primary focus is on how the program processes batch records and manages subfile interactions.

The core logic for maintaining counting lists is contained within the various subroutines in LE100R. The program handles user input, validates data, and updates records in the database based on user actions.

Order Status and Header Rules

LE100R: lbchl1, ltellr, ltell1, ltell2, ltellu, vvarl1, vvenlr

1. Batch Record Validation

- Logic:** The program checks if a batch ID is provided. If not, it calls another program (LC500R) to request a batch ID.
- File:** lbchl1 (Batch Records)
- Field:** lbchl1_batc
- Condition:** The process will not proceed if l_batc is blank after calling LC500R.

2. Retrieve Batch Information

- Logic:** The program retrieves information from the batch record and updates related fields in the counting lists.
- File:** lbchl1 (Batch Records)
- Field:** lcnnumm
- Condition:** The process will not continue if the batch record is not found.

Configuration and Authorization Rules

1. User Authorization Check

- Logic:** The program checks if the user has permission to modify specific records based on the batch type.
- Files:**
 - vvenlr (Item Units)
 - ltellu (Counting List Updates)
- Fields:**
 - vvenlr_enhe (Unit of Measure)
 - ltellu_batc (Batch ID)
- Condition:** The process will not allow updates if the user does not have the correct unit of measure.

2. Batch ID Assignment

- Logic:** The program assigns the batch ID to various counting list records for consistency.
- File:** ltellr (Counting List Records)

- Field:** Itellr_batc
 - Condition:** The batch ID must be set before any counting list operations can occur.
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Financial and Transactional Rules

1. Update Counting List Records

- Logic:** The program updates counting list records based on user input and batch information.
- File:** Itellur (Counting List Updates)
- Fields:**
 - lebatc (Batch ID)
 - leline (Line Number)
- Condition:** Updates are only allowed if the current record exists and is not part of a cyclic count.

2. Delete Counting List Records

- Logic:** The program allows the deletion of counting list records based on user confirmation.
 - File:** Itellur (Counting List Updates)
 - Condition:** A record will be deleted if the user selects the delete option and the record is found.
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Special Conditions (Program-Specific)

1. Cyclic Count Restrictions (LE100R)

- Logic:** The program prevents updates to records that are part of a cyclic count, requiring them to be deleted and re-entered.
- File:** Itellur (Counting List Updates)
- Field:** lcstel
- Condition:** If lcstel equals 1, a message is displayed indicating that updates are not allowed.

2. Batch Processing Logic (LE100R)

- Logic:** The program processes batch records and updates counting lists accordingly, ensuring all records are consistent with the batch ID.
 - File:** Itell1, Itell2 (Counting Lists)
 - Fields:** Itell1_batc, Itell2_batc
 - Condition:** The program must ensure that all counting list records are associated with the correct batch ID before processing.
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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. LC500R (Batch ID Request Program)

- Trigger:** Called when no batch ID is provided by the user.
- Logic:** Requests a valid batch ID from the user.
- Impact:** This call acts as a **major logical gateway** to ensure that the program has the necessary batch information before proceeding.

2. CO402R (Validation Program)

- Trigger:** Called to validate user permissions and batch information.
- Logic:** Checks if the user has the necessary permissions to modify counting lists.

- Impact:** This is a **critical validation step** that ensures data integrity and compliance with business rules.

3. VV500R (Item Query Program)

- Trigger:** Called when querying item numbers.

- Logic:** Validates the item number against the database.

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