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 the logic surrounding the processing and management of batch records and counting lists.

The core logic for maintaining counting lists is contained within the *inzsr subroutine in LE100R. The program processes batch records, retrieves relevant information, and manages user interactions through subfiles.

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Order Status and Header Rules

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

1. Batch Record Retrieval

•**Logic:** The program retrieves batch record details based on the provided batch ID. If the batch ID is not provided, it calls another program (LC500R) to obtain it.

•**File:** lbchl1 (Batch Header)

•**Field:** lbchl1_batc

•**Condition:** The process will not select a record if l_batc is blank.

2. Counting List Number Assignment

•**Logic:** The program assigns the counting list number from the batch record to various counting list variables.

•**File:** ltellr (Counting List Records)

•**Field:** ltellr_numm

•**Condition:** The counting list number is assigned only if the batch record is found.

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Configuration and Authorization Rules

1. User Authorization Check

•**Logic:** The program checks if the user is authorized to make changes to the counting list. If not authorized, an error message is displayed.

•**Files:**

•vvenlr (Item/Unit Master)

•**Fields:**

•vvenlr_vare (Item Number)

•vvenlr_enhe (Unit)

•**Condition:** The process will not allow updates if the item/unit does not exist in the vvenlr file.

2. Batch ID Validation

•**Logic:** The program validates the batch ID against the batch records. If the batch ID is invalid, the program terminates.

•**File:** lbchl1 (Batch Header)

•**Field:** lbchl1_batc

•**Condition:** The process will not continue if the batch ID does not match any records in lbchl1.

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Financial and Transactional Rules

1. Update Counting List Records

•**Logic:** The program updates the counting list records based on user inputs and validations. It ensures that changes are only made if the record exists.

•**File:** ltellur (Updated Counting List Records)

•**Fields:**

•ltellu_line (Line Number)

•leenh1 (Enhanced Value)

•**Condition:** The update will only occur if the corresponding counting list record is found.

2. Delete Counting List Record

•**Logic:** The program allows for the deletion of a counting list record if the user confirms the action.

•**File:** ltellur (Updated Counting List Records)

•**Condition:** The deletion will only proceed if the record exists and the user confirms.

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Special Conditions (Program-Specific)

1. Cyclic Counting Restriction (LE100R)

•**Logic:** The program restricts updates to lines from cyclic counting. Users are informed that such lines must be deleted and recounted.

•**File:** ltellr (Counting List Records)

•**Field:** lcstel

•**Condition:** If lcstel equals 1, the program displays a message and prevents updates.

2. Subfile Management (LE100R)

•**Logic:** The program manages subfile operations, including creating, clearing, and displaying subfiles based on user interactions.

•**File:** b1sfl (Subfile for Counting List)

•**Fields:** b1line, b1vare (Line Number, Item Number)

•**Condition:** The subfile is populated only if valid records exist.

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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 Retrieval Program)

•**Trigger:** Called when no batch ID is provided.

•**Logic:** This program retrieves the batch ID from the user.

•**Impact:** This call acts as a **critical input step** for the main program.

2. AA007R (Error Message Display Program)

•**Trigger:** Called when the user attempts to update a cyclic counting line.

•**Logic:** Displays error messages to the user regarding invalid operations.

•**Impact:** This ensures that users are informed of restrictions and helps maintain data integrity.

3. VV500R (Item Inquiry Program)

•**Trigger:** Called when validating item numbers.

•**Logic:** This program checks for the existence of items in the inventory.

•**Impact:** This represents a **validation step** that ensures only valid items are processed.