LE100R.MBR

Path: NXCLOUD/rpgsrc/LE100R.MBR **Generated**: 2026-01-08 12:58:30 **Processing Time**: 15232ms

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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 that processes batch records and manages subfile interactions within the program.

The core logic for maintaining counting lists is contained within the various subroutines in LE100R. The program processes batch records, retrieves relevant data, and manages user interactions through subfiles, ensuring that the counting lists are updated correctly based on user inputs.

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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 the batch record based on the provided batch ID. If the batch ID is not provided, it calls another program to obtain it.

•**File:** lbchl1 (Batch Header File)

•**Field:** lbchl1_batc

•**Condition:** The process will not proceed if the batch ID (l_batc) is blank.

2. Counting List Number Assignment

•**Logic:** Upon successful retrieval of the batch record, the counting list numbers are assigned from the batch record to the counting lists.

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

•**Field:** ltellr_numm

•**Condition:** This assignment occurs only if the batch record is found.

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Configuration and Authorization Rules

1. Batch ID Input Handling

•**Logic:** If a batch ID is provided, it is stored for later use. If not, the program calls LC500R to prompt the user for a batch ID.

•**Files:**

•lbchl1 (Batch Header File)

•ltellr (Counting List Records)

•**Fields:**

•lbchl1_batc (Batch ID from Batch Header)

•ltellr_batc (Batch ID from Counting List)

•**Condition:** The program checks if the batch ID is blank and reacts accordingly.

2. User Input Validation

•**Logic:** The program validates user inputs when modifying counting list records to ensure they conform to business rules.

•**File:** vvenlr (Item/Unit File)

•**Field:** vvenlr_enhe

•**Condition:** The program checks if the unit exists in the vvenlr file; if not, an error is flagged.

Financial and Transactional Rules

1. Record Update Logic

•**Logic:** The program allows updates to counting list records unless they are from a cyclic count, which must be deleted and re-entered.

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

•**Fields:**

•ltellu_line (Line Number)

•ltellu_numm (Counting Number)

•**Condition:** Updates are blocked if the record is part of a cyclic count.

2. Record Deletion Logic

•**Logic:** The program allows users to delete counting list records through a confirmation window.

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

•**Condition:** The deletion is executed only if the record is found in the ltellu file.

Special Conditions (Program-Specific)

1. Cyclic Count Handling (LE100R)

•**Logic:** The program prevents updates to records from cyclic counts and prompts the user to delete and re-enter such records.

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

•**Field:** lcstel

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

2. Batch ID Check (LE100R)

•**Logic:** The program checks for the presence of a batch ID at the start and prompts for input if missing.

•**File:** lbchl1 (Batch Header File)

•**Fields:** lbchl1_batc (Batch ID)

•**Condition:** If the batch ID is not provided, the program will call another program to retrieve it.

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 Input Program)

•**Trigger:** Called when the batch ID is not provided.

•**Logic:** Prompts the user for a batch ID and returns the value.

•**Impact:** This call is crucial for ensuring that the program has the necessary batch ID to proceed.

2. CO402R (Validation Program)

•**Trigger:** Called at the beginning of the program to check for specific conditions.

•**Logic:** Validates parameters related to the batch and sets flags based on conditions.

•**Impact:** This validation affects the flow of the program, particularly regarding cyclic counts.

3. AA007R (Error Handling Program)

•**Trigger:** Called when an invalid operation is attempted on cyclic count records.

•**Logic:** Displays error messages to the user.

•**Impact:** This call ensures that users are informed of restrictions on modifying cyclic count records, maintaining data integrity.