HR122R.MBR

Path: NXCLOUD/rpgsrc/HR122R.MBR **Generated**: 2026-01-09 10:13:44 **Processing Time**: 28403ms

Business Logic for Batch Number Inquiry

This document outlines the business rules that govern the batch number inquiry process for radio terminals, based on an analysis of the RPG program HR122R. The primary focus is on how batch numbers are processed and displayed within the subfile interface.

The core logic for handling batch inquiries is contained within the subfile subroutine in HR122R. The program interacts with a database file to retrieve batch information and displays it in a subfile format for user interaction.

Order Status and Header Rules

Batch Inquiry: lbchl1, hr122d

1. Batch Number Selection

•**Logic:** The user can select a batch number from the displayed subfile records. If a record is selected, the batch number is stored in the parameter p_batc.

•**File:** lbchl1 (Batch information file)

•**Field:** b1batc

•**Condition:** The selection is valid if b1valg equals 1, indicating that the user has chosen a record.

2. Subfile Display Control

•**Logic:** The program controls the display of the subfile based on the current record number.

•**File:** hr122d (Subfile display control)

•**Field:** w_srrn

•**Condition:** The subfile will only display if w_srrn is not equal to zero, indicating that there are records to show.

Configuration and Authorization Rules

1. Batch Number Initialization

•**Logic:** The program initializes the batch number field to blank at the start of the inquiry process.

•**Files:**

•lbchl1 (Batch information file)

•hr122d (Subfile display control)

•**Fields:**

•lbchl1_batc (Batch number field)

•w_firm (Firm identifier)

•**Condition:** The batch number is set to blank when the program is initialized.

2. Firm Validation

•**Logic:** The program checks that the firm associated with each batch record matches the current firm parameter.

•**File:** lbchl1 (Batch information file)

•**Field:** lcfirm

•**Condition:** The record is processed only if lcfirm equals w_firm, ensuring that only relevant records are displayed.

Financial and Transactional Rules

1. Subfile Record Processing

•**Logic:** The program reads records from the batch file and populates the subfile for display.

•**File:** lbchl1 (Batch information file)

•**Fields:**

•lcbatc (Batch number)

•lcsper (Status indicator)

•**Condition:** Records are added to the subfile if lcsper is equal to 0, indicating that the batch is active.

2. Subfile Clearing

•**Logic:** The program clears the subfile before populating it with new records.

•**File:** hr122d (Subfile display control)

•**Condition:** The subfile is cleared by setting the appropriate indicators before writing new records.

Special Conditions (Program-Specific)

1. Subfile Refresh (HR122R)

•**Logic:** The program refreshes the subfile contents based on user actions or when the batch number is changed.

•**File:** hr122d (Subfile display control)

•**Field:** b2batc

•**Condition:** The subfile is refreshed if b2batc is not blank, indicating a new batch number has been entered. Note: This process is crucial for ensuring the displayed data is current.

2. Subfile Positioning (HR122R)

•**Logic:** The program positions the subfile to display the correct records based on the current batch number.

•**File:** lbchl1 (Batch information file)

•**Fields:** lbchl1_batc (Batch number), w_seqe (Sequence number)

•**Condition:** The positioning occurs when b2batc is not blank, ensuring that the correct batch records are displayed.

Subprogram Calls Affecting Logic

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

1. clr_subfile (Clear Subfile)

•**Trigger:** Called before populating the subfile with new records.

•**Logic:** Clears the current contents of the subfile and resets relevant indicators.

•**Impact:** This ensures that the subfile is empty before new data is written, preventing data overlap.

2. crt_subfile (Create Subfile)

•**Trigger:** Called to populate the subfile with records from the batch file.
•**Logic:** Reads records from lbchl1 and writes them to the subfile based on the current firm.
•**Impact:** This is a **critical step** in displaying the batch records for user selection.

3. dsp_subfile (Display Subfile)

•**Trigger:** Called to display the subfile after it has been populated.
•**Logic:** Controls the visibility of the subfile based on the number of records.
•**Impact:** This represents the final step in the process, ensuring users can interact with the displayed batch records effectively.