HR122R.MBR

Path: NXCLOUD/rpgsrc/HR122R.MBR **Generated**: 2026-01-08 13:32:19 **Processing Time**: 11718ms

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 queried and displayed in a subfile format.

The core logic for batch number inquiry is contained within the subfile subroutine in HR122R. The program interacts with a database file to retrieve batch numbers and display them in a subfile for user selection.

Order Status and Header Rules

Batch Inquiry: lbchl1, hr122d

1. Batch Number Retrieval

•**Logic:** The program retrieves batch numbers from the lbchl1 file based on the specified firm and populates the subfile for display.

•**File:** lbchl1 (Batch number file)

•**Field:** lbchl1_batc

•**Condition:** The process will not select a record if the lbchl1_batc field is blank.

2. Subfile Display Control

•**Logic:** The program controls the display of the subfile based on the current record number and whether there are records to display.

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

•**Field:** w_srrn

•**Condition:** The subfile will be displayed if w_srrn is not equal to zero.

Configuration and Authorization Rules

1. Firm Parameter Validation

•**Logic:** The program checks if the firm parameter matches the current record's firm before displaying it in the subfile.

•**Files:**

•lbchl1 (Batch number file)

•**Fields:**

•lcfirm (Current firm)

•w_firm (Firm parameter)

•**Condition:** The record will not be displayed if lcfirm does not equal w_firm.

2. Subfile Initialization

•**Logic:** The program initializes the subfile by clearing existing records and setting up for new data entry.

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

•**Field:** *in14

•**Condition:** The subfile is cleared when the program starts.

Financial and Transactional Rules

1. Record Selection

•**Logic:** The program allows users to select a batch number from the subfile, which is then stored in the parameter for further processing.

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

•**Fields:**

•b1valg (Selection indicator)

•p_batc (Selected batch number)

•**Condition:** The selection is confirmed if b1valg equals 1.

2. End of Records Handling

•**Logic:** The program handles the end of records in the subfile by checking for the end of the file condition.

•**File:** lbchl1 (Batch number file)

•**Condition:** The subfile processing will stop if the end of the file is reached.

Special Conditions (Program-Specific)

1. Subfile Refresh (HR122R)

•**Logic:** The program refreshes the subfile when the user requests it, ensuring the latest data is displayed.

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

•**Field:** b2batc

•**Condition:** The subfile is refreshed if b2batc is not blank. Note: This refresh logic is critical for maintaining up-to-date information.

2. Positioning Logic (HR122R)

•**Logic:** The program positions the cursor based on the batch number input by the user.

•**File:** lbchl1 (Batch number file)

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

•**Condition:** Positioning occurs if b2batc is not blank.

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 to clear the subfile before populating it with new data.

•**Logic:** This subroutine clears the existing records in the subfile and resets the relevant indicators.

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

2. crt_subfile (Create Subfile)

•**Trigger:** Called to populate the subfile with records based on the current batch number.

•**Logic:** This subroutine reads records from the lbchl1 file and writes them to the subfile for display.

•**Impact:** This is a **key data population step** that determines what records are available for user selection.

3. dsp_subfile (Display Subfile)

•**Trigger:** Called to display the populated subfile on the screen.

•**Logic:** This subroutine manages the display logic, including whether to show the subfile or a command screen.

•**Impact:** This represents the **final presentation layer** of the batch number inquiry process, ensuring users can interact with the data effectively.