

HR122R.MBR

Path: NXCLOUD/rpgsrc/HR122R.MBR **Generated:** 2026-01-08 12:58:18 **Processing Time:** 13890ms

Business Logic for ASLAGR 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 user-friendly manner on a terminal screen.

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 batch criteria.

- 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 subfile records based on user interactions and the current state of the data.

- File:** hr122d (Subfile Control)

- Field:** b2ctl

- Condition:** The subfile will be cleared and repopulated when the user requests a refresh or a new query.

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:**

- Ibchl1 (Batch Number File)**

- Fields:**

- w_firm (Current Firm)**

- lcfirm (Record Firm)**

- Condition:** The record will not be displayed if the firm does not match.

2. Subfile Clear Condition

- Logic:** The program clears the subfile before populating it with new data.

- File:** hr122d (Subfile Control)

- Field:** w_srrn
- Condition:** The subfile will be cleared when the clr_subfile subroutine is called.

Financial and Transactional Rules

1. Batch Selection Logic

- Logic:** The user can select a batch number from the displayed subfile, which sets the batch number for further processing.
- File:** hr122d (Subfile Control)

•**Fields:**

- b1valg (Selection Indicator)
- b1batc (Selected Batch Number)

•**Condition:** The batch number will be set if the selection indicator b1valg equals 1.

2. Subfile Record Limit

- Logic:** The program limits the number of records displayed in the subfile based on the defined page size.
- File:** lbchl1 (Batch Number File)
- Condition:** The subfile will only display records up to the page size defined by c_sfsl.

Special Conditions (Program-Specific)

1. Subfile Refresh Logic (HR122R)

- Logic:** The program allows for refreshing the displayed subfile based on user input.

- File:** hr122d (Subfile Control)

•**Field:** b2batc

•**Condition:** The subfile will be refreshed if the batch number input b2batc is not blank. Note: This refresh logic is crucial for ensuring users see the most current batch data.

2. Initial Parameter Setup (HR122R)

- Logic:** The program initializes parameters and sets up the subfile upon entry.

- File:** lbchl1 (Batch Number File)

•**Fields:** p_firm (Firm Parameter), p_batc (Batch Parameter)

•**Condition:** The program will set the initial positioning in the database based on the provided firm and batch parameters.

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 when the subfile needs to be cleared before new data is populated.

•**Logic:** This subroutine clears the display and resets the record counters.

•**Impact:** This ensures that the subfile does not display outdated or irrelevant data.

2. crt_subfile (Create Subfile)

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

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

- Impact:** This is essential for displaying the correct batch numbers to the user.

3. dsp_subfile (Display Subfile)

- Trigger:** Called to display the contents of the subfile on the terminal.

- Logic:** This subroutine manages the display logic and ensures the user interface is updated correctly.

- Impact:** This represents the final step in presenting the batch numbers to the user, ensuring a smooth user experience.