

HR122R.MBR

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Business Logic for Batch Number Inquiry (HR122R)

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 handling batch number inquiries is contained within the subfile subroutine in HR122R. The program processes user input and retrieves batch records from the lbchl1 file, displaying them in a subfile format for user interaction.

Order Status and Header Rules

Batch Inquiry: lbchl1

1. Batch Record Retrieval

- **Logic:** The program retrieves batch records based on the specified firm and batch number.
- **File:** lbchl1 (Batch records file)
- **Field:** lbchl1_batc
- **Condition:** The process will not select a record if the lbchl1_batc field does not match the input batch number.

2. Subfile Display Control

- **Logic:** The program controls the display of the subfile based on user actions and the presence of records.
- **File:** b1sfl (Subfile for displaying batch records)
- **Field:** b1valg
- **Condition:** If b1valg is set to 1, the selected batch record will be processed.

Configuration and Authorization Rules

1. Firm Validation

- **Logic:** The program checks if the firm associated with the batch record matches the user-provided firm.
- **Files:**
 - lbchl1 (Batch records file)
- **Fields:**
 - lcfirm (User-provided firm)
 - w_firm (Current firm in context)
- **Condition:** The record will not be processed if lcfirm does not equal w_firm.

2. Subfile Initialization

- **Logic:** The program initializes the subfile for display by clearing previous entries.
- **File:** b1sfl (Subfile for displaying batch records)
- **Field:** w_srrn

- **Condition:** The subfile is cleared before new records are populated.

Financial and Transactional Rules

1. Subfile Population

- **Logic:** The program populates the subfile with batch records based on the current firm and batch number.

- **File:** lbchl1 (Batch records file)

• **Fields:**

- lcbatc (Batch number)

- b1valg (Selection indicator for the subfile)

- **Condition:** Records are added to the subfile if lcsper is 0, indicating valid batch records.

2. Record Selection

- **Logic:** The program allows the user to select a batch record from the subfile.

- **File:** b1sfl (Subfile for displaying batch records)

- **Condition:** If a record is selected (b1valg is set), the corresponding batch number is stored for further processing.

Special Conditions (Program-Specific)

1. Subfile Refresh (HR122R)

- **Logic:** The program refreshes the subfile when the user requests a new batch inquiry.

- **File:** b1sfl (Subfile for displaying batch records)

- **Field:** b2batc

- **Condition:** The subfile is cleared and repopulated when the b2batc field is not blank. Note: This is a critical function for ensuring that the displayed records are current.

2. Program Initialization (HR122R)

- **Logic:** The program initializes parameters and sets up the screen for user interaction.

- **File:** lbchl1 (Batch records file)

- **Fields:** p_firm (Input firm), p_batc (Input batch)

- **Condition:** The program sets the initial positioning in the database based on the provided parameters.

Subprogram Calls Affecting Logic

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

1. dsp_subfile (Display Subfile)

- **Trigger:** Called to display the contents of the subfile after it has been populated.

- **Logic:** This subroutine checks if there are records to display and manages the visibility of the subfile.

- **Impact:** This call ensures that the user sees the correct batch records and controls the display logic.

2. clr_subfile (Clear Subfile)

- **Trigger:** Called to clear the subfile before new records are populated.

- Logic:** This subroutine resets indicators and clears previous entries from the subfile.
- Impact:** This is a **critical step** to ensure that old data does not persist in the user interface.

3. crt_subfile (Create Subfile)

- Trigger:** Called to populate the subfile with batch records.

•**Logic:** This subroutine reads records from the lbchl1 file and adds them to the subfile based on the current firm.

•**Impact:** This represents the **core functionality** of the program, allowing users to view and select batch records effectively.