HR122R.MBR

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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 retrieved and displayed in a subfile format.

The core logic for batch number inquiry is contained within the init subroutine in HR122R. The program interacts with a database file to retrieve batch numbers based on specific parameters and displays them in a subfile for user interaction.

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Order Status and Header Rules

Batch Number Inquiry: lbchl1, hr122d

1. Batch Number Retrieval

•**Logic:** The program retrieves batch numbers from the lbchl1 file based on the company identifier and displays them in a subfile format.

•**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 user input.

•**File:** hr122d (Workstation subfile)

•**Field:** w_srrn

•**Condition:** The subfile will only display if w_srrn is greater than zero.

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Configuration and Authorization Rules

1. Parameter Initialization

•**Logic:** The program initializes parameters for the firm and batch number upon entry.

•**Files:**

•lbchl1 (Batch number file)

•hr122d (Workstation subfile)

•**Fields:**

•p_firm (Firm identifier)

•p_batc (Batch number)

•**Condition:** The parameters must be provided upon program entry to ensure proper positioning in the database.

2. Subfile Clearing

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

•**File:** hr122d (Workstation subfile)

•**Field:** *in14

•**Condition:** The subfile must be cleared to avoid displaying stale data.

Financial and Transactional Rules

1. Batch Selection

•**Logic:** Users can select a batch number from the subfile, which will be stored in a parameter for further processing.

•**File:** hr122d (Workstation subfile)

•**Fields:**

•b1valg (Selection indicator)

•b1batc (Selected batch number)

•**Condition:** The batch will be selected if b1valg equals 1.

2. Subfile Population

•**Logic:** The program populates the subfile with batch numbers that match the firm identifier.

•**File:** lbchl1 (Batch number file)

•**Condition:** Records are added to the subfile only if the firm identifier matches the current firm.

Special Conditions (Program-Specific)

1. Subfile Refresh (HR122R)

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

•**File:** hr122d (Workstation subfile)

•**Field:** *in22

•**Condition:** The subfile is refreshed when the user invokes the refresh function. Note: This functionality is crucial for maintaining current data visibility.

2. Positioning Logic (HR122R)

•**Logic:** The program positions the database cursor based on the provided batch number and firm identifier.

•**File:** lbchl1 (Batch number file)

•**Fields:** lbchl1_batc (Batch number), w_firm (Firm identifier)

•**Condition:** The positioning occurs only if the batch number 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 before populating the subfile with new data.

•**Logic:** Clears the existing records in the subfile to prepare for new data.

•**Impact:** Ensures that the subfile does not display outdated information.

2. crt_subfile (Create Subfile)

•**Trigger:** Called to populate the subfile with batch numbers.

•**Logic:** Reads records from the lbchl1 file and writes them to the subfile.

•**Impact:** This step is essential for displaying the current batch numbers to the user.

3. dsp_subfile (Display Subfile)

•**Trigger:** Called to render the subfile on the screen.

•**Logic:** Displays the subfile contents and handles user interaction.

•**Impact:** Represents the final step in the workflow, allowing users to select a batch number for further processing.