

AN060R.MBR

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Business Logic for AN060R

This document outlines the business rules that govern the processing of historical data during night jobs, based on an analysis of the RPG program AN060R. The primary focus is on the logic that handles querying, updating, and deleting records related to night job history.

The core logic for managing night job history is contained within the main processing logic of the AN060R program. The program utilizes subfiles to display and manage records, allowing users to view, update, or delete entries based on their selections.

Order Status and Header Rules

AN060R: ahstpfr (Night Job History File)

1. Display Records

- **Logic:** The program displays records from the night job history file in a subfile format for user interaction.
- **File:** ahstpfr (Night Job History)
- **Field:** Various fields including ahdato, ahttid
- **Condition:** Records are displayed if the subfile is populated and the user has not triggered an exit or cancel action.

2. Update Night Job Status

- **Logic:** Updates the status of a night job to indicate success or failure based on user input.
- **File:** ahstpfr (Night Job History)
- **Field:** ahstl1_dato, ahstl1_ttid
- **Condition:** The update occurs if the user selects an option to acknowledge a failed night job (b1valg = '7').

Configuration and Authorization Rules

1. Clear Subfile

- **Logic:** Resets the subfile indicators and prepares it for new data input.

• **Files:**

- b1sfl (Subfile for Night Job Records)

• **Fields:**

- srrn01 (Relative Record Number)

- frrn01 (First Record Number)

- **Condition:** Triggered when the program is initialized or when a refresh is requested.

2. Delete Record

- **Logic:** Deletes a selected record from the night job history based on user confirmation.

- **File:** ahstpfr (Night Job History)

- **Field:** ahstlur (Record to be deleted)

- **Condition:** The delete operation is initiated if the user selects the delete option (b1valg = '4').

Financial and Transactional Rules

1. Record Existence Check

•**Logic:** Verifies if a record exists in the night job history before attempting to update or delete it.

•**File:** ahstpr (Night Job History)

•**Fields:**

•ahstl1_dato (Date of the night job)

•ahstl1_ttid (Time ID of the night job)

•**Condition:** The check is performed when the user attempts to update or delete a record.

2. Notify User of Invalid Selection

•**Logic:** Alerts the user if they attempt to process a record that does not exist or is invalid.

•**File:** b1sfl (Subfile for Night Job Records)

•**Condition:** Triggered if the user selects an option without a valid record being present.

Special Conditions (Program-Specific)

1. Handle Night Job Failure Acknowledgment (AN060R)

•**Logic:** Updates the record to mark a night job as acknowledged after a failure.

•**File:** ahstlur (Acknowledgment Record)

•**Field:** ahtxt1 (Text field for status)

•**Condition:** This logic is executed when the user selects to acknowledge a failed job (b1valg = '7'). Note: This functionality was added in version R6.10.

2. Display Subfile Records (AN060R)

•**Logic:** Populates and displays the subfile with records from the night job history.

•**File:** b1sfl (Subfile for Night Job Records)

•**Fields:** Various fields including b1dato, b1ttid

•**Condition:** Triggered when the program initializes or when the user requests to view records.

Subprogram Calls Affecting Logic

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

1. xdsp01 (Display Subfile)

•**Trigger:** Called after records are populated in the subfile.

•**Logic:** Manages the display of the subfile and handles user interactions.

•**Impact:** This call ensures that the user interface is updated to reflect the current state of records.

2. xd1win (Delete Confirmation Window)

•**Trigger:** Invoked when the user selects to delete a record.

•**Logic:** Displays a confirmation window for the delete operation.

•**Impact:** This step is crucial for preventing accidental deletions by requiring user confirmation.

3. xclr01 (Clear Subfile)

•**Trigger:** Called during initialization and refresh actions.

•**Logic:** Resets the subfile indicators and prepares for new data.

•**Impact:** This ensures that the subfile is in a clean state before new records are displayed.