

AN060R.MBR

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Business Logic for AN060R

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

The core logic for managing historical records is contained within the various subroutines in AN060R. The program interacts with subfiles to display records and allows for user actions such as refreshing, deleting, and updating records.

Order Status and Header Rules

AN060R: ahstpfr, fan060d

1. Record Retrieval

- **Logic:** The program retrieves historical records based on user input and displays them in a subfile.
- **File:** ahstpfr (Historical Job Records)
- **Field:** ahdato, ahttid
- **Condition:** The process will not select a record if the user input for the date or time ID is not valid.

2. Record Update

- **Logic:** The program updates the status of a historical job record to indicate that it has been processed successfully.
- **File:** ahstpfr (Historical Job Records)
- **Field:** ahstlur
- **Condition:** The update occurs if the user selects an option to acknowledge a failed night job.

Configuration and Authorization Rules

1. Subfile Initialization

- **Logic:** Initializes the subfile for displaying records by resetting counters and clearing previous entries.
- **Files:**
 - fan060d (Workstation Display File)
 - ahstpfr (Historical Job Records)
- **Fields:**
 - srrn01 (Relative Record Number)
 - spge01 (Page Size)
- **Condition:** This initialization occurs when the program starts or when the user refreshes the subfile.

2. Record Deletion

- **Logic:** Deletes a selected historical record from the database upon user confirmation.

•**File:** ahstpfr (Historical Job Records)

•**Field:** ahstlur

•**Condition:** The deletion is triggered when the user selects the delete option.

Financial and Transactional Rules

1. Record Acknowledgment

•**Logic:** Acknowledges that a night job has failed by updating the corresponding record with a status of 'OK'.

•**File:** ahstpfr (Historical Job Records)

•**Fields:**

•ahstlur (Record Identifier)

•ahtxt1 (Status Message)

•**Condition:** This occurs if the user selects the acknowledgment option for a failed job.

2. Error Notification

•**Logic:** Notifies the user if the selected account is invalid or if no records are found.

•**File:** fan060d (Workstation Display File)

•**Condition:** This notification is triggered when the user attempts to proceed without valid input.

Special Conditions (Program-Specific)

1. Subfile Processing (AN060R)

•**Logic:** Processes user selections from the subfile, allowing for viewing, editing, or deleting records.

•**File:** ahstpfr (Historical Job Records)

•**Field:** b1valg

•**Condition:** The action taken depends on the user's selection in the subfile.

2. Date Conversion (AN060R)

•**Logic:** Converts dates between the display format and the internal format for processing.

•**File:** ahstpfr (Historical Job Records)

•**Fields:** d_fdat (File Date), d_sdat (Screen Date)

•**Condition:** This conversion is necessary whenever a date is displayed or updated.

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 to display the contents of the subfile after data retrieval.

•**Logic:** This subroutine formats and presents the records to the user.

•**Impact:** This call acts as a **major logical gateway** for user interaction with the historical records.

2. xdatsf (Date Formatting Subroutine)

•**Trigger:** Called whenever a date needs to be converted between formats.

•**Logic:** This subroutine handles the conversion of date fields for display and processing.

•**Impact:** Ensures that date information is accurately represented to the user.

3. xd1win (Delete Confirmation Window)

- Trigger:** Invoked when the user opts to delete a record.
- Logic:** This subroutine manages the display of the confirmation window for deletion.
- Impact:** Represents the handoff to user confirmation before a critical action is taken on the data.