AN060R.MBR

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Business Logic for Night Job History Query

This document outlines the business rules that govern the night job history query process, based on an analysis of the RPG program AN060R. The primary focus is on how the program manages the display and manipulation of historical records related to night jobs.

The core logic for querying and maintaining night job history is contained within the various subroutines in AN060R. The program processes records from the historical file and allows users to view, update, and delete entries based on user input.

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Order Status and Header Rules

Night Job History: ahstl1, ahstlu

1. Display Records

•**Logic:** The program displays records from the night job history file in a subfile format for user interaction.

•**File:** ahstl1 (Night Job History File)

•**Field:** ahdato, ahttid

•**Condition:** Records are displayed if the subfile is populated and the user has not selected an exit option.

2. Update Record Status

•**Logic:** When a night job fails, the program updates the record status to indicate failure.

•**File:** ahstlu (Night Job Update File)

•**Field:** ahstl1_dato, ahstl1_ttid

•**Condition:** The update occurs if the user selects the option to mark a job as failed (b1valg = '7').

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Configuration and Authorization Rules

1. Clear Subfile

•**Logic:** The subfile is cleared before new records are populated to ensure no old data remains.

•**Files:**

•b1sfl (Subfile for Night Job History)

•**Fields:**

•srrn01 (Relative Record Number)

•**Condition:** This action is triggered at the start of the program and before any new data is displayed.

2. Validate User Input

•**Logic:** The program checks if the user has made a valid selection in the subfile.

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

•**Field:** b1valg

•**Condition:** If the user input is blank or invalid, an error message is displayed.

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Financial and Transactional Rules

1. Delete Record

•**Logic:** The program allows the user to delete a selected night job history record.

•**File:** ahstl1 (Night Job History File)

•**Fields:**

•ahstl1_dato (Date of the Job)

•ahstl1_ttid (Job ID)

•**Condition:** The deletion occurs if the user selects the delete option (b1valg = '4').

2. Update Record on Failure

•**Logic:** If a night job fails, the corresponding record is updated to reflect the failure status.

•**File:** ahstlu (Night Job Update File)

•**Condition:** This update is performed when the user selects the failure option (b1valg = '7').

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Special Conditions (Program-Specific)

1. Handle Record Not Found (AN060R)

•**Logic:** If a record is not found during a chain operation, an error indicator is set.

•**File:** ahstl1 (Night Job History File)

•**Field:** ahstl1_key

•**Condition:** The program sets an indicator if the record is not found during the search.

2. Populate Subfile with Records (AN060R)

•**Logic:** The subfile is populated with records from the night job history file.

•**File:** ahstl1 (Night Job History File)

•**Fields:** b1dato, b1txt1 (Display fields)

•**Condition:** This occurs during the execution of the xcrt01 subroutine.

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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 populated subfile after records have been loaded.

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

•**Impact:** This call is critical for user interaction, allowing users to view records.

2. xd1win (Delete Confirmation Window)

•**Trigger:** Invoked when the user selects the delete option.

•**Logic:** This subroutine handles the display of a confirmation window before a record is deleted.

•**Impact:** Ensures that users confirm their intention to delete a record, preventing accidental deletions.

3. xdatsf (Date Conversion Subroutine)

•**Trigger:** Called to convert date formats between the display and the file.

•**Logic:** This subroutine handles the conversion of date fields to ensure consistency.

•**Impact:** This is essential for maintaining accurate date representations in the system.

This documentation provides a comprehensive overview of the business logic implemented in the AN060R RPG program, detailing how it processes night job history records and manages user interactions.