AN060R.MBR

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Business Logic for AN060R

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

The core logic for processing historical records is contained within the xdsp01 subroutine in AN060R. The program utilizes subfiles to manage the display and interaction with historical records, allowing users to view, update, and delete records as needed.

Order Status and Header Rules

AN060R: ahstl1, ahstlu

1. Display Historical Records

•**Logic:** The program retrieves and displays historical records for night jobs based on user input.

•**File:** ahstl1 (Historical records file)

•**Field:** ahdato

•**Condition:** The records are displayed if the user has selected a valid date and the subfile is populated.

2. Delete Historical Record

•**Logic:** Allows the user to delete a selected historical record from the subfile.

•**File:** ahstl1 (Historical records file)

•**Field:** ahstl1_dato

•**Condition:** The deletion process is triggered if the user selects the delete option (indicated by b1valg = '4').

Configuration and Authorization Rules

1. Maintain Night Job History

•**Logic:** The program allows for the maintenance of night job history records, specifically marking records as successful or failed.

•**Files:**

•ahstl1 (Historical records file)

•ahstlu (Update history file)

•**Fields:**

•ahstl1_dato (Date of the record)

•ahstl1_ttid (Time ID of the record)

•**Condition:** The update occurs when the user confirms a night job has failed (indicated by b1valg = '7').

2. Clear Subfile

•**Logic:** This rule clears the subfile to prepare for new data entries.

•**File:** b1sfl (Subfile for displaying historical records)

•**Field:** srrn01
•**Condition:** The subfile is cleared when the user initiates a new query or refresh (indicated by *in14).

Financial and Transactional Rules

1. Update Historical Record
•**Logic:** Updates the selected historical record with new information, such as marking it as successful.
•**File:** ahstlu (Update history file)
•**Fields:**
•ahstl1_dato (Date of the record)
•ahstl1_ttid (Time ID of the record)
•**Condition:** The record is updated if the user selects the appropriate option (indicated by b1valg).
2. Notify Invalid Account
•**Logic:** Alerts the user if an invalid account is selected during the operation.
•**File:** b1sfl (Subfile for displaying historical records)
•**Condition:** This notification occurs if b2dato is zero when the user attempts to proceed with an action.

Special Conditions (Program-Specific)

1. Handle Record Deletion (AN060R)
•**Logic:** This rule handles the deletion of records from the historical file.
•**File:** ahstl1 (Historical records file)
•**Field:** ahstl1_dato
•**Condition:** The deletion is executed if the user selects the delete option (indicated by b1valg = '4'). Note: The deletion logic checks if the record exists before proceeding.
2. Confirm Night Job Failure (AN060R)
•**Logic:** This rule confirms that a night job has failed and updates the corresponding historical record.
•**File:** ahstlu (Update history file)
•**Fields:** ahstl1_dato (Date), ahstl1_ttid (Time ID)
•**Condition:** The confirmation occurs if the user selects the failure option (indicated by b1valg = '7').

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 records are retrieved.
•**Logic:** It checks if there are records to display and formats the output accordingly.
•**Impact:** This call acts as a **major logical gateway** for user interaction with the historical records.
2. xdatsf (Convert Screen to File Data)

•**Trigger:** Called when converting date formats between the screen and file.
•**Logic:** It translates the date from the screen format to the file format for storage.
•**Impact:** This ensures that date data is consistently formatted for database integrity.

3. xclr01 (Clear Subfile)

•**Trigger:** Called to clear the contents of the subfile before new data is loaded.
•**Logic:** It resets all indicators and prepares the subfile for new entries.
•**Impact:** This is a **destructive filtering step** that ensures no residual data remains from previous operations.