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 the logic related to managing and displaying historical records of night jobs.

The core logic for processing historical records is contained within the xdsp01 subroutine in AN060R. The program interacts with various files to read, update, and delete records based on user input and specific conditions.

Order Status and Header Rules

AN060R: ahstpfr

1. Display Historical Records

•**Logic:** The program displays historical records of night jobs in a subfile format for user interaction.

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

•**Field:** ahdato

•**Condition:** The subfile is populated only if there are records available to display (srrn01 <> 0).

2. Delete Historical Record

•**Logic:** The program allows users to delete a selected historical record from the subfile.

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

•**Field:** ahstlur

•**Condition:** The deletion process is initiated when the user selects the delete option (b1valg = '4').

Configuration and Authorization Rules

1. Update Night Job Status

•**Logic:** The program updates the status of a night job to indicate success or failure based on user input.

•**Files:**

•ahstpfr (Historical records file)

•ahstlur (Current status file)

•**Fields:**

•ahstl1_dato (Date of the record)

•ahstl1_ttid (Time ID of the record)

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

2. Clear Subfile

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

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

•**Field:** srrn01

•**Condition:** The clearing process is executed when the program initializes or when the user requests a refresh.

Financial and Transactional Rules

1. Record Existence Check

•**Logic:** The program checks if a record exists in the historical file before performing operations.

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

•**Fields:**

•ahstl1_dato (Date of the record)

•ahstl1_ttid (Time ID of the record)

•**Condition:** The check is performed when the user attempts to retrieve a record (chain ahstl1).

2. Notify Invalid Account

•**Logic:** The program notifies the user if an invalid account is selected.

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

•**Condition:** This notification occurs if the user selects an account that does not exist (b2dato = *zero).

Special Conditions (Program-Specific)

1. Handle Record Deletion (AN060R)

•**Logic:** The program handles the deletion of a record from the historical file and updates the subfile accordingly.

•**File:** ahstlur (Current status file)

•**Field:** ahstlur

•**Condition:** The deletion is executed if the user confirms the deletion action (b1valg = '4'). Note: This process includes user confirmation via a separate window.

2. Initialize Program Variables (AN060R)

•**Logic:** The program initializes necessary variables and sets up the subfile for user interaction.

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

•**Fields:** srrn01 (Record number), spge01 (Page size)

•**Condition:** This initialization occurs at the start of the program execution.

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 populated.

•**Logic:** This subroutine manages the display of records in the subfile format.

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

2. xd1win (Delete Confirmation Window)

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

•**Logic:** This subroutine handles the user interface for confirming deletion.

•**Impact:** This represents a **destructive filtering step**, ensuring that records are only deleted after user confirmation.

3. xclr01 (Clear Subfile)

- **Trigger:** Called to clear the subfile before repopulating it.
- **Logic:** This subroutine resets the subfile indicators and prepares it for new data.
- **Impact:** This ensures that the displayed records are current and relevant, preventing stale data from being shown to users.