

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 nightly job, based on an analysis of the RPG program AN060R. The primary focus is on the logic surrounding the handling, updating, and deletion of historical job records.

The core logic for processing historical records is contained within the various subroutines in AN060R. The program interacts with subfiles to display records and allows users to perform actions such as viewing, updating, and deleting historical job entries.

Order Status and Header Rules

AN060R: ahstpfr, ahstlur, fan060d

1. Display Historical Records

- **Logic:** The program retrieves and displays historical job records from the ahstpfr file into a subfile for user interaction.
- **File:** ahstpfr (Historical job records)
- **Field:** Various fields including ahdato (date), ahhtid (job ID)
- **Condition:** The subfile is populated only if there are records available in the ahstpfr file.

2. Update Historical Record Status

- **Logic:** The program updates the status of a historical job record to indicate success or failure based on user input.
- **File:** ahstlur (Updated historical job records)
- **Field:** ahstl1_dato, ahstl1_ttid
- **Condition:** The record is updated if the user selects the option to mark a job as successful or failed.

Configuration and Authorization Rules

1. User Action Validation

- **Logic:** The program checks if the user has made a selection in the subfile before proceeding with actions.

• **Files:**

- b1sfl (Subfile for job records)

• **Fields:**

- b1valg (User selection)

- **Condition:** The program will not proceed with any action unless a valid selection is made in the subfile.

2. Subfile Clear and Create

- **Logic:** The program clears the subfile and repopulates it with updated records based on user actions.
- **File:** b1sfl (Subfile for job records)

- **Field:** srrn01 (Relative record number)
 - **Condition:** The subfile is cleared and recreated whenever the user initiates a refresh or a new search.
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Financial and Transactional Rules

1. Record Deletion

- **Logic:** The program allows users to delete a selected historical job record from the database.
- **File:** ahstlur (Updated historical job records)
- **Fields:**
 - ahstl1_dato (Date of the job)
 - ahstl1_ttid (Job ID)
- **Condition:** The record is deleted if the user selects the delete option from the subfile.

2. Job Failure Acknowledgment

- **Logic:** The program marks a job as failed in the historical records based on user input.
 - **File:** ahstlur (Updated historical job records)
 - **Condition:** The job is marked as failed if the user selects the corresponding option from the subfile.
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Special Conditions (Program-Specific)

1. Handling of Job Failures (AN060R)

- **Logic:** The program checks for job failures and updates the historical record accordingly.
- **File:** ahstlur (Updated historical job records)
- **Field:** ahstl1_dato, ahstl1_ttid
- **Condition:** If a job failure is acknowledged, the program updates the corresponding record with a status of '*OK'. Note: This logic is specific to handling job failures.

2. Subfile Interaction (AN060R)

- **Logic:** The program manages user interaction with the subfile, allowing for record selection and action execution.
 - **File:** b1sfl (Subfile for job records)
 - **Fields:** b1dato, b1ttid
 - **Condition:** User actions are processed based on selections made in the subfile, including updates and deletions.
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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 contents of the subfile after records are populated.
- **Logic:** This subroutine formats and presents the subfile data to the user.
- **Impact:** This call ensures that the user sees the most current data and can interact with it.

2. xdatsf (Convert Screen to File)

- **Trigger:** Called to convert date fields from screen format to file format before saving.

- Logic:** This subroutine handles the conversion of date formats for database storage.

- Impact:** Ensures data integrity by maintaining consistent date formats in the database.

3. xclr01 (Clear Subfile)

- Trigger:** Called to clear the subfile before repopulating it with new data.

- Logic:** This subroutine resets the subfile indicators and prepares it for new data.

- Impact:** This is a crucial step to prevent data overlap and ensure that the user sees only relevant records.