

RA001R.MBR

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Business Logic for Vedlikehold av statuskoder

This document outlines the business rules that govern the maintenance of status codes 1 and 3, based on an analysis of the RPG program RA001R. The primary focus is on the validation and updating of status codes within the system.

The core logic for maintaining status codes is contained within the A2BLD subroutine in RA001R. The program retrieves existing status codes from the database, validates them based on specific business rules, and updates the records accordingly.

Order Status and Header Rules

Vedlikehold av statuskoder: raa1l1, raa3l1

1. Retrieve Status Code 1

- Logic:** The program retrieves the status code 1 record from the raa1l1 file. If the record is found, it initializes various fields with default values.
- File:** raa1l1 (Status Code 1 File)
- Field:** ra1ape, ra1per, ra1aar, ra1hkt, ra1hrs, ra1ars, ra1avs, ra1bnr, ra1bun, ra1skd, ra1pre
- Condition:** The process will not select a record if the *in60 indicator is not set, indicating that the record retrieval was unsuccessful.

2. Retrieve Status Code 3

- Logic:** The program retrieves the status code 3 record from the raa3l1 file. If the record is found, it initializes various fields with default values.
- File:** raa3l1 (Status Code 3 File)
- Field:** ra3stp, ra3p01, ra3p02, ra3p03, ra3p04, ra3p05, ra3p06, ra3p07, ra3p08, ra3p09, ra3p10, ra3p11, ra3p12, ra3p13
- Condition:** The process will not select a record if the *in61 indicator is not set, indicating that the record retrieval was unsuccessful.

Configuration and Authorization Rules

1. Validation of Periods

- Logic:** The program checks if the number of periods (a21ape) is within valid limits (1 to 13). If not, it sets an error indicator.
- Files:**
 - raa1l1 (Status Code 1 File)
 - raa3l1 (Status Code 3 File)
- Fields:**
 - a21ape (Number of periods from Status Code 1)
- Condition:** The process will set an error if a21ape is less than 1 or greater than 13.

2. Year Validation

- Logic:** The program checks if the year (a21aar) is valid. If it is less than 1980 and the period (a21per) is greater than zero, it sets an error indicator.

- File:** raa1l1 (Status Code 1 File)
 - Field:** a21aar
 - Condition:** The process will set an error if a21per is greater than zero and a21aar is less than 1980.
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Financial and Transactional Rules

1. Update Status Code 1

- Logic:** The program updates the status code 1 record with the new values if the record is found. If the record does not exist, it writes a new record.
- File:** raa1lu (Status Code 1 Update File)
- Fields:**
 - ra1ape, ra1per, ra1aar, ra1hkt, ra1hrs, ra1ars, ra1avs, ra1bnr, ra1bun, ra1skd, ra1pre
- Condition:** The update occurs only if the record is found and the *in60 indicator is off.

2. Update Status Code 3

- Logic:** The program updates the status code 3 record with the new values if the record is found. If the record does not exist, it writes a new record.
 - File:** raa3lu (Status Code 3 Update File)
 - Condition:** The update occurs only if the record is found and the *in61 indicator is off.
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Special Conditions (Program-Specific)

1. Error Handling for Status Code 1 (RA001R)

- Logic:** The program checks various conditions for status code 1. If any condition fails, it sets an appropriate error indicator and redirects to the error handling section.
- File:** raa1l1 (Status Code 1 File)
- Field:** a21hrs, a21ape, a21per, a21aar
- Condition:** The program checks for various conditions such as exceeding limits or invalid periods.

2. Error Handling for Status Code 3 (RA001R)

- Logic:** The program checks various conditions for status code 3. If any condition fails, it sets an appropriate error indicator and redirects to the error handling section.
 - File:** raa3l1 (Status Code 3 File)
 - Fields:** a23stp, a23p01, a23p02, a23p03, a23p04, a23p05, a23p06, a23p07, a23p08, a23p09, a23p10, a23p11, a23p12, a23p13
 - Condition:** The program checks for various conditions such as exceeding limits or invalid periods.
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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. A2BLD (Screen for Maintenance of Status Code)

- Trigger:** This subroutine is called to handle the display and maintenance of status codes.
- Logic:** It retrieves and displays the current status codes for user interaction.

- Impact:** This call acts as a **major logical gateway** for user input and validation of status codes.

2. keya1 (Key for Status Code 1)

- Trigger:** This is used to define the key for accessing status code 1 records.

- Logic:** It sets the key based on the firm number for retrieval and updates.

- Impact:** This ensures that the correct records are accessed and modified based on the user's input.

3. keya3 (Key for Status Code 3)

- Trigger:** This is used to define the key for accessing status code 3 records.

- Logic:** It sets the key based on the firm number for retrieval and updates.

- Impact:** This ensures that the correct records are accessed and modified based on the user's input.