

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 logic for retrieving and updating status codes within the system.

The core logic for maintaining status codes is contained within the A2BLD subroutine in RA001R. The program processes records from the raa1I1 and raa3I1 files, which store information related to status codes 1 and 3 respectively.

Order Status and Header Rules

Vedlikehold av statuskoder: raa1I1, raa3I1

1. Retrieve Status Code 1

- Logic:** The program retrieves the status code 1 from the raa1I1 file. If the record is found, it populates various fields with the corresponding values.
- File:** raa1I1 (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 chain operation fails (indicated by *in60 being on).

2. Retrieve Status Code 3

- Logic:** The program retrieves the status code 3 from the raa3I1 file. If the record is found, it populates various fields with the corresponding values.
- File:** raa3I1 (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 chain operation fails (indicated by *in61 being on).

Configuration and Authorization Rules

1. Validate Periods for Status Code 1

- Logic:** The program checks if the number of periods (a21ape) is valid (between 1 and 13) and ensures that the accounting year (a21aar) is not less than 1980.
- Files:**
 - raa1I1 (Status Code 1 File)
- Fields:**
 - a21ape (Number of periods)
 - a21aar (Accounting year)
- Condition:** The process will trigger an error if a21ape is less than 1 or greater than 13, or if a21aar is less than 1980.

2. Validate Period Lock for Status Code 1

- Logic:** The program checks if the current period (a21per) is less than or equal to the number of periods (a21ape).
- File:** raa1l1 (Status Code 1 File)
- Field:** a21per (Current period)
- Condition:** The process will trigger an error if a21per is greater than a21ape.

Financial and Transactional Rules

1. Update Status Code 1

- Logic:** The program updates the status code 1 in the raa1lu file with the current values from the input fields.
- File:** raa1lu (Status Code 1 Update File)
- Fields:**
 - ra1ape, ra1per, ra1aar, ra1hkt, ra1hrs, ra1ars, ra1avs, ra1bnr, ra1bun, ra1skd, ra1pre
- Condition:** The update occurs if the chain operation is successful (indicated by *in60 being off).

2. Update Status Code 3

- Logic:** The program updates the status code 3 in the raa3lu file with the current values from the input fields.
- File:** raa3lu (Status Code 3 Update File)
- Condition:** The update occurs if the chain operation is successful (indicated by *in61 being off).

Special Conditions (Program-Specific)

1. Check for Accounting Year Discrepancies (RA001R)

- Logic:** The program checks if the accounting year (a21aar) is less than the current year and if the status code (a23stp) is greater than the number of periods (a21ape).
- File:** raa3l1 (Status Code 3 File)
- Field:** a23stp (Status code)
- Condition:** The process will trigger an error if a23stp is greater than a21ape.

2. Validate Periods for Status Code 3 (RA001R)

- Logic:** The program checks if each of the period fields (a23p01 to a23p13) is either zero or exceeds the number of periods (a21ape).
- File:** raa3l1 (Status Code 3 File)
- Fields:** a23p01, a23p02, a23p03, a23p04, a23p05, a23p06, a23p07, a23p08, a23p09, a23p10, a23p11, a23p12, a23p13
- Condition:** The process will trigger an error if any of these fields are zero or greater than a21ape.

Subprogram Calls Affecting Logic

Beyond direct file checks, several external subprograms are called that play a significant role in the workflow.

1. A2BLD (Status Code Maintenance Screen)

- Trigger:** This program is called to display the maintenance screen for status codes.
- Logic:** It retrieves and displays the current values for status codes 1 and 3, allowing for updates.
- Impact:** This call acts as a **major logical gateway** for maintaining status codes.

2. keya1 and keya3 (Key Definitions)

- Trigger:** These keys are defined at the beginning of the program to facilitate record retrieval for status codes 1 and 3.
- Logic:** They establish the keys used for chaining records from the respective files.
- Impact:** This is a **critical setup step** for ensuring accurate data retrieval.

3. *inzsr (Initialization Subroutine)

- Trigger:** This subroutine initializes the program by setting up necessary variables.
- Logic:** It assigns the firm number and name to the working variables.
- Impact:** This represents the **initial setup** for the program's execution context.