RA001R.MBR

Path: NXCLOUD/rpgsrc/RA001R.MBR **Generated**: 2026-01-09 10:13:44 **Processing Time**: 14358ms

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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 how the program retrieves, validates, and updates status codes in the system.

The core logic for maintaining status codes is contained within the A2BLD subroutine in RA001R. The program processes records from the raa1l1 and raa3l1 files to manage status codes, ensuring that various business rules and validations are adhered to during the update process.

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Order Status and Header Rules

Vedlikehold av statuskoder: raa1l1, raa3l1

1. Retrieve Status Code 1

•**Logic:** The program retrieves the status code 1 from the raa1l1 file. If the record is found, it initializes several fields with default values; if not found, it retains the existing values.

•**File:** raa1l1 (Status Code 1 File)

•**Field:** Various fields including ra1ape, ra1per, ra1aar, etc.

•**Condition:** The process will not select a record if the chain operation does not find a corresponding record (indicated by *in60).

2. Retrieve Status Code 3

•**Logic:** Similar to status code 1, the program retrieves status code 3 from the raa3l1 file and initializes fields accordingly.

•**File:** raa3l1 (Status Code 3 File)

•**Field:** Various fields including ra3stp, ra3p01, ra3p02, etc.

•**Condition:** The process will not select a record if the chain operation does not find a corresponding record (indicated by *in61).

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Configuration and Authorization Rules

1. Validation of Periods

•**Logic:** The program checks that the number of periods (a21ape) is within a valid range (1 to 13) and that the current period (a21per) does not exceed the number of periods.

•**Files:**

•raa1l1 (Status Code 1 File)

•raa3l1 (Status Code 3 File)

•**Fields:**

•a21ape (Number of periods from Status Code 1)

•a21per (Current period from Status Code 1)

•**Condition:** The process will trigger an error if a21ape is less than 1 or greater than 13, or if a21per exceeds a21ape.

2. Year Validation

- **Logic:** The program verifies that the year (a21aar) is greater than or equal to 1980 if the current period (a21per) is greater than zero.
- **File:** raa1l1 (Status Code 1 File)
- **Field:** a21aar
- **Condition:** The process will trigger an error if a21per is greater than zero and a21aar is less than 1980.

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Financial and Transactional Rules

1. Validation of Accounting Year

- **Logic:** The program checks that the accounting year (a23stp) does not exceed the number of periods (a21ape) for status code 3.
- **File:** raa3l1 (Status Code 3 File)
- **Fields:**
- a23stp (Accounting year)
- a21ape (Number of periods)
- **Condition:** The process will trigger an error if a23stp is greater than a21ape.

2. Period Checks for Status Code 3

- **Logic:** The program checks each of the period fields (a23p01 to a23p13) to ensure they are valid and do not exceed the number of periods.
- **File:** raa3l1 (Status Code 3 File)
- **Condition:** The process will trigger an error if any of the period fields are zero or exceed a21ape.

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Special Conditions (Program-Specific)

1. Update Status Code 1 (RA001R)

- **Logic:** The program updates the status code 1 fields in the raa1lu file with the new values entered by the user.
- **File:** raa1lu (Update Status Code 1 File)
- **Field:** Various fields including ra1ape, ra1per, etc.
- **Condition:** The update occurs only if the record is found (indicated by *in60).

2. Update Status Code 3 (RA001R)

- **Logic:** Similar to status code 1, the program updates the status code 3 fields in the raa3lu file.
- **File:** raa3lu (Update Status Code 3 File)
- **Fields:** Various fields including ra3stp, ra3p01, etc.
- **Condition:** The update occurs only if the record is found (indicated by *in61).

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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 Status Code Maintenance)

- **Trigger:** Called during the maintenance process of status codes.
- **Logic:** Displays the input screen for users to enter or modify status code details.
- **Impact:** This call acts as a **major logical gateway** for user interaction and data entry.

2. keya1 and keya3 (Key Lists for Status Codes)

•**Trigger:** These key lists are initialized at the start of the program.

•**Logic:** They define the keys used for accessing status code records in the respective files.

•**Impact:** This setup is crucial for ensuring that the correct records are accessed and updated.

3. xslutt (Program Exit)

•**Trigger:** Called at the end of the program.

•**Logic:** Cleans up and exits the program.

•**Impact:** Ensures that resources are released and the program terminates gracefully.