

# AX003R.MBR

**Path:** NXCLOUD/rpgsrc/AX003R.MBR **Generated:** 2026-01-08 15:03:37 **Processing Time:** 12535ms

## Business Logic for AX003R

This document outlines the business rules that govern the processing of financial data and XML output generation, based on an analysis of the RPG program AX003R. The primary focus is on the handling of financial records and their transformation into XML format.

The core logic for processing financial records is contained within the StartP and Bilag subroutines in AX003R. The program reads financial records from the RHTRPF file and generates corresponding XML output based on specified conditions.

## Order Status and Header Rules

AX003R: RHTRPF, RXMLL1

### 1. Firm Selection

- Logic:** The program sets the firm number to be processed based on the input parameter.
- File:** RHTRPF (Financial records file)
- Field:** rhtrl5\_firm
- Condition:** The firm number is set to w\_firmn at the start of processing.

### 2. Record Filtering

- Logic:** The program filters records based on the firm, year, and period.
- File:** RHTRPF
- Field:** rbraar, rbrper
- Condition:** Records are processed if rbfirm = w\_firmn and the year and period conditions are met.

## Configuration and Authorization Rules

### 1. XML Output Initialization

- Logic:** The program initializes XML output headers before processing records.
- Files:**
  - RXMLL1 (XML structure file)
- Fields:**
  - rxmll1\_head (XML header)
- Condition:** XML output is generated until the operation type is 'S' or 'E'.

### 2. Header Record Handling

- Logic:** The program generates XML for header records before processing each financial record.
- File:** RXMLL1
- Field:** axhead
- Condition:** XML is generated for header records until the operation type is 'S'.

## Financial and Transactional Rules

### 1. Financial Record Processing

- Logic:** The program processes each financial record, generating corresponding XML entries.
- File:** RHTRPF
- Fields:**
  - rbbiln (Invoice number)
  - rbdat (Invoice date)
- Condition:** Records are processed while not at the end of file and matching the specified firm and date conditions.

## 2. Currency Handling

- Logic:** The program checks for currency values and generates XML entries for currency codes and amounts.
- File:** RHTRPF
- Condition:** XML entries are created if currency values are present and valid.

# Special Conditions (Program-Specific)

## 1. Error Handling (AX003R)

- Logic:** The program includes checks for specific error conditions during processing.
- File:** RHTRPF
- Field:** rbbiln
- Condition:** Specific conditions trigger error handling, which may involve skipping records.

## 2. XML Line Generation (AX003R)

- Logic:** The program generates XML lines based on the financial record's content.
- File:** RXMLL1
- Fields:** axxmlt (XML template)
- Condition:** Lines are generated based on the record type and specific field values.

# Subprogram Calls Affecting Logic

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

## 1. sxmlut (XML Line Output)

- Trigger:** Called during the processing of each financial record.
- Logic:** This subroutine generates the XML output for the current financial record.
- Impact:** This call acts as a **major logical gateway** for transforming financial data into XML format.

## 2. BehKonto (Account Processing)

- Trigger:** Called for each account associated with the current financial record.
- Logic:** This subroutine processes all lines related to a specific account.
- Impact:** This ensures that all relevant account details are captured in the XML output.

## 3. redefnum (Number Formatting)

- Trigger:** Called to format numeric fields before output.
- Logic:** This subroutine standardizes the format of numbers for XML output.
- Impact:** Ensures that numeric values are correctly formatted for XML representation, enhancing data integrity.

