AX003R.MBR

Path: NXCLOUD/rpgsrc/AX003R.MBR **Generated**: 2026-01-08 11:56:20 **Processing Time**: 11312ms

Business Logic for XML Generation from Financial Records

This document outlines the business rules that govern the XML generation process from financial records, based on an analysis of the RPG programs AX003R. The primary focus is on the rules and logic applied during the processing of financial entries and their conversion into XML format. The core logic for XML generation is contained within the SXMLUT subroutine in AX003R. This program reads financial records from the RHTRPF file and generates corresponding XML output based on specific conditions and data fields.

Order Status and Header Rules

Process_Name: RHTRPF, XMLUT

1. Firm Selection

•**Logic:** The program sets the firm identifier for processing based on the input parameters.

•**File:** RHTRPF (Financial Records)

•**Field:** rhtrl5_firm

•**Condition:** The firm is set to the input firm number (w_firmn).

2. Record Filtering by Date

•**Logic:** The program filters records based on the financial period and ensures only relevant records are processed.

•**File:** RHTRPF (Financial Records)

•**Field:** rhtrl5_bdat

•**Condition:** The record is processed if the date is within the specified range (rbraar < p_pta or rbraar = p_pta and rbrper <= p_ptm).

Configuration and Authorization Rules

1. XML Output Header Initialization

•**Logic:** The program initializes the XML output header before processing records.

•**Files:**

•XMLUT (XML Output)

•**Fields:**

•rxmll1_head (XML Header)

•s_head (Header for current processing)

•**Condition:** The header is set to 'HOVEDBOK' at the beginning of processing.

2. Firm Number Validation

•**Logic:** The program checks if the firm number is valid before proceeding with processing.

•**File:** RHTRPF (Financial Records)

•**Field:** rhtrl5_firm

•**Condition:** The firm number must match the input firm number (w_firmn).

Financial and Transactional Rules

1. Record Processing Loop

•**Logic:** The program processes each financial record in a loop, generating XML entries for each.

•**File:** RHTRPF (Financial Records)

•**Fields:**

•rbbiln (Bill Number)

•rbbdat (Bill Date)

•**Condition:** The record is processed if it matches the current bill number and date.

2. Final XML Output for Each Bill

•**Logic:** The program generates the final XML output for each bill after processing all associated lines.

•**File:** XMLUT (XML Output)

•**Condition:** The output is generated until the end of the XML lines or until an end condition is met (axmaop = 'E').

Special Conditions (Program-Specific)

1. Handling Special Characters in XML (AX003R)

•**Logic:** The program replaces special characters in text fields to ensure valid XML formatting.

•**File:** XMLUT (XML Output)

•**Field:** text

•**Condition:** Special characters like '&', '<', and '>' are replaced with their corresponding XML entities.

2. Dynamic Field Handling for XML Output (AX003R)

•**Logic:** The program dynamically handles fields based on their types (numeric, date, text) for XML output.

•**File:** XMLUT (XML Output)

•**Fields:**

•text (Dynamic content based on field type)

•**Condition:** The output is generated based on the field type and its associated logic.

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 Generation)

•**Trigger:** Called during the processing of each financial record.

•**Logic:** Generates XML lines based on the current record's data and specified formatting rules.

•**Impact:** This call acts as a **major logical gateway** for converting financial records into XML format.

2. BehKonto (Account Processing)

•**Trigger:** Called for each account associated with a financial record.

•**Logic:** Processes all lines related to a specific account and generates corresponding XML output.

•**Impact:** Represents the detailed processing of account entries, ensuring all relevant data is captured in the XML.

3. redefnum (Number Formatting)

•**Trigger:** Called to format numeric fields before XML output.

•**Logic:** Adjusts numeric values to ensure they are correctly formatted for XML representation.

•**Impact:** Ensures that numeric data is presented in a valid and expected format within the XML output.