AX003R.MBR

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Business Logic for AX003R

This document outlines the business rules that govern the processing of financial records and XML output generation, based on an analysis of the RPG program AX003R. The primary focus is on the logic that handles the reading of financial records and the creation of XML formatted output. 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 XML output based on the specified conditions and data.

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Order Status and Header Rules

AX003R: RHTRPF, AXMLUT

1. Firm Selection

•**Logic:** The program initializes the firm number to be processed based on the input parameters.

•**File:** RHTRPF (Financial records file)

•**Field:** rhtrl5_firm

•**Condition:** The firm number is set to the value of w_firmn at the start of processing.

2. Record Filtering

•**Logic:** The program filters records based on the fiscal year and period.

•**File:** RHTRPF (Financial records file)

•**Field:** rbraar, rbrper

•**Condition:** Records are processed only if the year is less than or equal to p_pta and the period is less than or equal to p_ptm.

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Configuration and Authorization Rules

1. XML Output Initialization

•**Logic:** The program prepares the XML output structure before processing each financial record.

•**Files:**

•AXMLUT (XML output file)

•**Fields:**

•rxmll1_head (XML header)

•rxmll1_linj (XML line)

•**Condition:** The XML output is initialized at the start of each new financial record processing.

2. End of Record Processing

•**Logic:** The program finalizes the XML output for each record after processing all relevant lines.

•**File:** AXMLUT (XML output file)

•**Field:** rxmll1_linj

•**Condition:** The XML output is written when the end of the financial record is reached.

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Financial and Transactional Rules

1. Financial Record Processing

•**Logic:** The program processes each financial record, generating XML output for each line item.

•**File:** RHTRPF (Financial records file)

•**Fields:**

•rbbiln (Invoice number)

•rbbdat (Invoice date)

•**Condition:** Each record is processed until the end of the file is reached, or until a specified condition is met.

2. Currency Handling

•**Logic:** The program handles currency conversion and outputs the relevant XML tags.

•**File:** RHTRPF (Financial records file)

•**Condition:** Currency details are included in the XML output if the currency code is not empty and the amount is valid.

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Special Conditions (Program-Specific)

1. Debugging Logic (AX003R)

•**Logic:** The program includes debugging checks for specific invoice numbers and accounts.

•**File:** RHTRPF (Financial records file)

•**Field:** rbbiln, rbkont

•**Condition:** Debugging logic is triggered for specific values of rbbiln and rbkont to allow for testing.

2. XML Line Processing (AX003R)

•**Logic:** The program processes each line of XML output based on the type of data being handled.

•**File:** AXMLUT (XML output file)

•**Fields:** Various fields based on the type of data being processed.

•**Condition:** The output is generated based on the type of data (text, numeric, date) and specific conditions for each field.

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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. SXMLUT (XML Line Output)

•**Trigger:** Called during the processing of each line item.

•**Logic:** This subroutine generates the XML output for each line based on the current record's data.

•**Impact:** This call acts as a **major logical gateway** for XML output generation.

2. BehKonto (Account Processing)

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

•**Logic:** This subroutine processes all line items for a specific account and generates the corresponding XML output.

•**Impact:** This represents the detailed processing of account-specific data for XML generation.

3. redefnum (Number Formatting)

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

•**Logic:** This subroutine ensures that numeric values are formatted correctly for XML output.

•**Impact:** This is a **critical formatting step** that ensures data integrity in the XML output.