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 reading financial records and generating XML representations of these records.

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

Order Status and Header Rules

AX003R: RHTRPF, XMLUT

1. Firm Selection

- **Logic:** The program sets the firm number for processing based on the input parameter.
- **File:** RHTRPF (Financial records file)
- **Field:** rhtrl5_firm
- **Condition:** The firm number is set to the value of w_firmn.

2. Date Range Filtering

- **Logic:** The program filters records based on the financial year and period.
- **File:** RHTRPF (Financial records file)
- **Fields:** rhtrl5_raar, rhtrl5_rper
- **Condition:** Records are processed if the year is less than or equal to the specified period.

Configuration and Authorization Rules

1. Parameter Initialization

- **Logic:** The program initializes various parameters used for processing.
- **Files:**
- RHTRPF (Financial records file)
- XMLUT (XML output file)
- **Fields:**
- p_perfm, p_perfa, p_pertm, p_perta (Period parameters)
- **Condition:** Parameters are extracted from the ax000par data area.

2. Record Reading Condition

- **Logic:** The program reads records from the RHTRPF file until the end of the file is reached or a specific condition is met.
- **File:** RHTRPF (Financial records file)
- **Field:** rbfirm
- **Condition:** The record is read if the firm matches w_firmn and the year and period conditions are satisfied.

Financial and Transactional Rules

1. XML Output Generation

•**Logic:** The program generates XML output for each financial record processed.

•**File:** XMLUT (XML output file)

•**Fields:**

•rxmll1_linj (Line number in XML)

•rxmll1_head (Header for XML)

•**Condition:** XML output is generated for each record until the end of the file is reached.

2. Handling Special Cases in XML

•**Logic:** The program checks for specific conditions that affect XML output formatting.

•**File:** XMLUT (XML output file)

•**Condition:** If certain fields contain specific values, the output is adjusted accordingly.

Special Conditions (Program-Specific)

1. Debugging Logic (AX003R)

•**Logic:** The program contains debugging logic to handle specific record conditions during processing.

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

•**Field:** rbbiln

•**Condition:** Debugging is activated for specific bill numbers and accounts.

2. End of Processing Logic (AX003R)

•**Logic:** The program finalizes processing and ensures all records are accounted for in the XML output.

•**File:** XMLUT (XML output file)

•**Fields:** axhead, axlinj

•**Condition:** The program continues to write XML until all relevant records have been processed.

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 XML output generation process.

•**Logic:** This subroutine handles the formatting and writing of XML lines based on the current record's data.

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

2. BehKonto (Account Processing)

•**Trigger:** Called for each account during record processing.

•**Logic:** This subroutine processes all lines related to a specific account and generates corresponding XML.

•**Impact:** This ensures that all account-related data is accurately represented in the XML output.

3. redefnum (Number Formatting)

- **Trigger:** Called to format numerical values before output.
- **Logic:** This subroutine ensures that numeric fields are formatted correctly for XML output.
- **Impact:** This is crucial for maintaining data integrity and ensuring correct representation in the XML format.