LI100R.MBR

Path: NXKORR/rpgsrc/LI100R.MBR **Generated**: 2026-01-08 15:53:46 **Processing Time**: 21730ms

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Business Logic for EDI Message Processing

This document outlines the business rules that govern the processing of incoming EDI messages, based on an analysis of the RPG program LI100R. The primary focus is on the validation, filtering, and management of EDI messages received from various sources.

The core logic for EDI message processing is contained within the *inzsr subroutine in LI100R. The program handles the reading of EDI messages, checks their validity against various business rules, and updates the corresponding records in the database.

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Order Status and Header Rules

EDI Processing: ledipf, ledilr, ledilu, ledil5, rlevpfr, fohelr, votylr

1. Message Type Validation

•**Logic:** The program checks if the message type is valid based on predefined conditions. If the message type is blank, it defaults to a blank state.

•**File:** ledipf (EDI Message File)

•**Field:** litype

•**Condition:** The process will not proceed if the message type is invalid or if it does not match the allowed types.

2. Order Type Restrictions

•**Logic:** The program restricts the processing of certain order types based on business rules. For example, if the order type is 'OBKR', it checks specific conditions before allowing further processing.

•**File:** ledipf (EDI Message File)

•**Field:** litype

•**Condition:** The process will not allow processing if the order type is not permitted according to the business logic.

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Configuration and Authorization Rules

1. User Access Control

•**Logic:** The program checks if the user has the necessary permissions to access the EDI processing functions. If not, the program will terminate.

•**Files:**

•lusrl1 (User Access File)

•ledipf (EDI Message File)

•**Fields:**

•lusrl1_user (User ID from User Access File)

•ledipf_type (Message Type from EDI Message File)

•**Condition:** The process will not continue if the user does not have the required access level.

2. EDI Message Filtering

•**Logic:** The program applies filters based on user-defined criteria to limit the messages processed. This includes checking for specific statuses and types.

•**File:** ledipf (EDI Message File)

•**Field:** listat

•**Condition:** Only messages with specific status codes will be processed further.

Financial and Transactional Rules

1. Invoice and Order Matching

•**Logic:** The program checks if the invoices match the corresponding orders based on predefined criteria. If mismatches are found, appropriate actions are taken.

•**File:** ledipf (EDI Message File)

•**Fields:**

•b1type (Message Type)

•b1mnum (Message Number)

•**Condition:** The process will flag discrepancies if the invoice does not match the expected order.

2. Deletion of Old Records

•**Logic:** The program includes functionality to delete old or marked records based on specific criteria. This helps maintain data integrity and relevance.

•**File:** ledipf (EDI Message File)

•**Condition:** Records marked for deletion will be removed if they meet the criteria set in the program logic.

Special Conditions (Program-Specific)

1. Manual Approval for Messages (LI100R)

•**Logic:** Certain messages require manual approval before they can be processed. This is particularly relevant for messages that have been flagged for review.

•**File:** ledipf (EDI Message File)

•**Field:** listat

•**Condition:** The process will require manual intervention if the message status indicates it needs approval.

2. Reactivation of Deleted Messages (LI100R)

•**Logic:** If a message that was previously deleted needs to be reactivated, the program will handle this by updating the relevant records accordingly.

•**File:** ledipf (EDI Message File)

•**Fields:**

•ledilu_type (Type of the message)

•ledilu_mnum (Message Number)

•**Condition:** The process will reactivate messages based on specific business rules if they were marked for reactivation.

Subprogram Calls Affecting Logic

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

1. CO402R (Configuration Check Program)

•**Trigger:** Called during initialization to check user permissions and configuration settings.

•**Logic:** Validates whether specific features are enabled for the user.

•**Impact:** This call acts as a **major logical gateway** for determining user access to various EDI functions.

2. LI120R (Message Detail Retrieval)

•**Trigger:** Called when the user requests detailed information about a specific message.

•**Logic:** Retrieves and displays detailed information for the selected EDI message.

•**Impact:** This enhances user experience by providing necessary details for decision-making.

3. LI166R (Invoice Processing)

•**Trigger:** Called when processing invoices related to EDI messages.

•**Logic:** Validates and processes invoice data against the corresponding orders.

•**Impact:** This represents the handoff to the next major business function, ensuring that financial transactions are accurately recorded.

This documentation provides a comprehensive overview of the business logic implemented in the LI100R program for processing EDI messages, detailing the rules, conditions, and external dependencies that govern its operation.