

LI100R.MBR

Path: NXCLOUD/rpgsrc/LI100R.MBR **Generated:** 2026-01-08 12:34:57 **Processing Time:** 13408ms

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 handling of EDI messages as they are processed within the system.

The core logic for EDI message processing is contained within the various subroutines in LI100R. The program manages the reading, validation, and updating of EDI messages, ensuring that they meet specific criteria before being processed further.

Order Status and Header Rules

EDI Processing: ledil1, ledil5, ledilr, ledilu

1. Check Validity of EDI Message Type

- Logic:** The program checks if the EDI message type is valid based on predefined conditions and flags.
- File:** ledil1 (EDI Message Lines)
- Field:** litype
- Condition:** The process will not proceed if the message type is not recognized or is blank.

2. Filter by Status and Type

- Logic:** The program filters messages based on their status and type, allowing only specific types to be processed.
- File:** ledil1 (EDI Message Lines)
- Field:** listat
- Condition:** Messages with status '9' (deleted) are excluded from processing.

Configuration and Authorization Rules

1. Access Control for EDI Processing

- Logic:** The program checks user permissions before allowing access to EDI processing functionalities.
- Files:**
 - lusrl1 (User Access)
 - lstsl1 (Firm Registration)
- Fields:**
 - lusrl1_user (User ID)
 - laaeds (Firm Registration Status)
- Condition:** Access is denied if the user does not have the necessary permissions or if the firm registration is not active.

2. Blank Type Handling

- Logic:** The program allows processing of messages with a blank type under specific conditions.
- File:** ledil1 (EDI Message Lines)

- Field:** a1type
 - Condition:** Blank types are only permitted if all relevant flags are set to 1.
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Financial and Transactional Rules

1. Invoice Processing

- Logic:** The program processes invoices and checks for discrepancies against expected values.
- File:** ledil1 (EDI Message Lines)
- Fields:**
 - b1type (Message Type)
 - b1fbel (Invoice Total)
- Condition:** The invoice is processed only if it matches the expected totals and types.

2. Order Confirmation Handling

- Logic:** The program validates order confirmations against existing orders and updates statuses accordingly.
 - File:** ledil1 (EDI Message Lines)
 - Condition:** Order confirmations are only processed if they match existing orders in the system.
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Special Conditions (Program-Specific)

1. Manual Approval of Messages (LI100R)

- Logic:** The program allows for manual approval of messages before they are updated in the system.
- File:** ledil1 (EDI Message Lines)
- Field:** b1stat
- Condition:** Messages can only be manually approved if they are in a specific status that allows for such actions.

2. Reactivation of Deleted Messages (LI100R)

- Logic:** If a message marked for deletion is processed, it can be reactivated based on specific conditions.
 - File:** ledil1 (EDI Message Lines)
 - Fields:** listat, likode
 - Condition:** Messages marked as deleted can be reactivated if they meet the criteria defined in the logic.
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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. LI501R (Message Type Retrieval)

- Trigger:** Called to retrieve and validate message types during processing.
- Logic:** This program checks the validity of the message type against the database.
- Impact:** Ensures that only valid message types are processed further.

2. LI715R (Invoice Check)

- Trigger:** Called during invoice processing to validate totals.

- Logic:** This program checks the invoice against expected values and flags discrepancies.
- Impact:** Acts as a critical validation step to prevent incorrect invoices from being processed.

3. LI716R (Order Confirmation Check)

- Trigger:** Invoked when processing order confirmations.
- Logic:** This program checks the order confirmation against existing orders for validation.
- Impact:** Ensures that only valid order confirmations are accepted, maintaining data integrity.

4. FA730R (Job Status Check)

- Trigger:** Called to check if an EDI transfer is currently in progress.
- Logic:** This program checks the job status to prevent concurrent processing.
- Impact:** Prevents conflicts and ensures that EDI processing is managed effectively.

Use clear, business-friendly language. Fill in all sections with details from the code. Output only the Markdown.