LI100R.MBR

Path: NXKORR/rpgsrc/LI100R.MBR **Generated**: 2026-01-09 10:13:44 **Processing Time**: 14578ms

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

The core logic for EDI message processing is contained within the *inzsr subroutine in LI100R. This subroutine initializes the program and sets up the necessary parameters for processing EDI messages, including user access checks and the setup of display files for user interaction.

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Order Status and Header Rules

LI100R: ledipfr, rlevpfr, lohepfr, fohepfr, votypfr, lstspfr, lusrpfr, mjlopfr, lsbopfr, elogpfr, ra10pfr, lodtpfr

1. EDI Message Type Validation

•**Logic:** The program checks if the EDI message type is valid based on predefined conditions. If the type is not valid, it will prevent further processing.

•**File:** ledipfr (EDI Messages)

•**Field:** litype

•**Condition:** The process will not select a record if litype is not one of the allowed types (e.g., 'FAKT', 'OBKR', 'PAKK', etc.).

2. Blank Type Handling

•**Logic:** If the message type is blank, specific conditions regarding the firm registration are checked to determine if blank types are allowed.

•**File:** ledipfr (EDI Messages)

•**Field:** a1type

•**Condition:** The process will not allow blank types if certain flags (e.g., lbko05, lbko06, etc.) are not set.

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Configuration and Authorization Rules

1. User Access Check

•**Logic:** The program verifies if the user has the necessary access rights to process EDI messages.

•**Files:**

•lusrl1 (User Access)

•**Fields:**

•lusrl1_user (User ID)

•**Condition:** Access is granted only if the user has the appropriate permissions set in the user access table.

2. EDI Processing Mode

•**Logic:** The program distinguishes between read-only and editable modes for processing EDI messages.

- **File:** ledipfr (EDI Messages)
- **Field:** *in79
- **Condition:** If the program is in read-only mode, certain checks and updates are bypassed.

Financial and Transactional Rules

1. Invoice Total Validation

- **Logic:** The program checks the total amount of invoices against expected values to ensure consistency.
- **File:** ledipfr (EDI Messages)
- **Fields:**
- •d_ft_ftot (Total Amount)
- •d_ft_teks (Tax Amount)
- **Condition:** The process will flag discrepancies if the totals do not match expected values.

2. Order Confirmation Handling

- **Logic:** The program processes order confirmations and updates the status of orders accordingly.
- **File:** ledipfr (EDI Messages)
- **Condition:** The process will not update the order status if the confirmation is not valid or if the order is already marked as processed.

Special Conditions (Program-Specific)

1. Reactivation of Deleted Messages (LI100R)

- **Logic:** If a deleted message is found during processing, it will be reactivated based on specific conditions.
- **File:** ledipfr (EDI Messages)
- **Field:** listat
- **Condition:** The message will be reactivated if it meets the criteria for reprocessing.

2. Direct Delivery Approval Handling (LI100R)

- **Logic:** The program allows for the approval of direct deliveries based on the order type.
- **File:** ledipfr (EDI Messages)
- **Fields:** b1type (Order Type), b1numm (Order Number)
- **Condition:** The process will allow approval if the order type is 'B' for direct deliveries.

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)

- **Trigger:** Called during initialization to check configuration settings.
- **Logic:** This program checks various configuration parameters and sets flags that affect the processing logic.
- **Impact:** This call acts as a **major logical gateway**, determining the operational mode of the program.

2. LI166R (Invoice Processing)

•**Trigger:** Called when processing invoices to validate totals and details.

•**Logic:** This program validates invoice details against the EDI message data.

•**Impact:** Ensures that invoices are processed correctly and flags any inconsistencies.

3. LI120R (Order Management)

•**Trigger:** Called to handle order-related tasks during EDI processing.

•**Logic:** This program manages the flow of order confirmations and updates.

•**Impact:** Represents the handoff to the next major business function, ensuring that orders are correctly processed and updated.