# LO101R.MBR

**Path**: NXKORR/rpgsrc/LO101R.MBR **Generated**: 2026-01-09 10:13:44 **Processing Time**: 13225ms

# Business Logic for LO101R

This document outlines the business rules that govern the registration of orders and purchases, based on an analysis of the RPG program LO101R. The primary focus is on the validation and processing of order header information and related data.

The core logic for processing order headers is contained within the main program logic of LO101R. This program retrieves and updates information related to orders, including supplier details, payment terms, and associated project data.

## Order Status and Header Rules

**LO101R**: LOHEL1, LOHELU, LOHEPFR, SIHEPFR

**1. Retrieve Order Header Information**

•**Logic:** The program retrieves order header details from the LOHEL1 file based on the provided order number and suffix.

•**File:** LOHEL1 (Order Header Register)

•**Field:** LONUMM, LOSUFF

•**Condition:** The order details are fetched if the order exists in the header file.

**2. Validate Department Existence**

•**Logic:** Checks if the specified department exists in the code register.

•**File:** KODE_REGISTER (Code Register)

•**Field:** C2AVDE

•**Condition:** The process will not proceed if the department does not exist.

## Configuration and Authorization Rules

**1. Validate Buyer Existence**

•**Logic:** Checks if the specified buyer exists in the code register.

•**Files:**

•KODE_REGISTER (Code Register)

•**Fields:**

•C2INNK (Buyer Code)

•C2INTX (Buyer Text)

•**Condition:** The process will not proceed if the buyer does not exist.

**2. Validate Warehouse Existence**

•**Logic:** Checks if the specified warehouse exists in the code register.

•**File:** KODE_REGISTER (Code Register)

•**Field:** C2LAGE

•**Condition:** The process will not proceed if the warehouse does not exist.

## Financial and Transactional Rules

**1. Validate Payment Terms**

•**Logic:** Checks if the specified payment terms exist in the code register.

•**File:** KODE_REGISTER (Code Register)

•**Field:** C2BETB

•**Condition:** The process will not proceed if the payment terms do not exist.

**2. Validate Currency Code**

•**Logic:** Checks if the specified currency code exists in the code register.

•**File:** KODE_REGISTER (Code Register)

•**Field:** C2VALK

•**Condition:** The process will not proceed if the currency code does not exist.

–

# Special Conditions (Program-Specific)

**1. Check for Duplicate Invoice Number (LO101R)**

•**Logic:** Validates if the invoice number has been used previously for the supplier.

•**File:** SIHELA (Historical Invoice)

•**Field:** C3SFAK

•**Condition:** If the invoice number exists, a warning is issued.

**2. Check for Valid Project Number (LO101R)**

•**Logic:** Validates if the specified project number exists in the project register.

•**File:** RP1PL1 (Project Register)

•**Field:** C3PROJ

•**Condition:** The process will not proceed if the project number does not exist.

–

# Subprogram Calls Affecting Logic

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

**1. CO402R (Check Warehouse)**

•**Trigger:** Called during initialization to check if the warehouse is newly created.

•**Logic:** Validates warehouse conditions and sets flags accordingly.

•**Impact:** This call determines if the warehouse is valid for further processing.

**2. RA507R (Department Check)**

•**Trigger:** Called to validate department existence.

•**Logic:** Retrieves department text based on the department code.

•**Impact:** Ensures that the department is valid before proceeding.

**3. RA509R (Buyer Check)**

•**Trigger:** Called to validate buyer existence.

•**Logic:** Retrieves buyer text based on the buyer code.

•**Impact:** Ensures that the buyer is valid before proceeding.

**4. AA007R (User Confirmation)**

•**Trigger:** Called to confirm user actions when validation fails.

•**Logic:** Displays warning messages and prompts for user confirmation.

•**Impact:** Acts as a checkpoint for critical validations, allowing users to decide on proceeding or aborting the transaction.

This documentation provides a comprehensive overview of the business logic implemented in the LO101R program, focusing on the validation and processing of order headers and related data.