FO100R.MBR

Path: NXCLOUD/rpgsrc/FO100R.MBR **Generated**: 2026-01-08 12:34:37 **Processing Time**: 16644ms

–

Business Logic for Order Registration

This document outlines the business rules that govern the order registration process, based on an analysis of the RPG program FO100R. The primary focus is on the rules and validations that are applied during the registration of offers and orders.

The core logic for order registration is contained within various subroutines in FO100R. The program handles user inputs, validates them against business rules, and updates the relevant database records accordingly.

–

Order Status and Header Rules

Order Registration: FOHEL1, RKMEL1, VOTYL1, VINFL1, RKU2L1, FOTL1, FOLHE1, FOLHE2, FOLHE3

1. Order Type Validation

•**Logic:** The order type must have a system code of 0 (Sales/Ofak). If not, the order cannot be processed.

•**File:** VOTYL1 (Order Type Register)

•**Field:** VOTYL1_OTYP

•**Condition:** "The process will not select a record if VOTYL1_OTYP is not equal to 0."

2. Customer Credit Check

•**Logic:** If the customer has a credit limit that has been exceeded, the order cannot be processed unless it is an offer (type 'T').

•**File:** RKU2L1 (Customer Register)

•**Field:** RKU2L1_KUND

•**Condition:** "The process will not allow order registration if RKU2L1_KUND has exceeded the credit limit."

–

Configuration and Authorization Rules

1. User Permissions for Customer Creation

•**Logic:** Users must have permission to create new customers directly from the order system.

•**Files:**

•AUSRL1 (User Register)

•FUSRL1 (User Permissions)

•**Fields:**

•AUSRL1_USER (from AUSRL1)

•FUSRL1_USER (from FUSRL1)

•**Condition:** "The process will not allow customer creation if the user does not have the required permissions."

2. Delivery Address Requirement

•**Logic:** If the delivery address is not filled out, the order cannot be processed.

•**File:** RKU2L1 (Customer Register)

•**Field:** RKU2L1_ADR1

•**Condition:** "The process will not allow order registration if RKU2L1_ADR1 is blank."

–

Financial and Transactional Rules

1. Order Date Validation

•**Logic:** The order date must be a valid date and cannot be in the past.

•**File:** FOHEL1 (Order Header Register)

•**Field:** FOHEL1_BDAT

•**Condition:** "The process will not allow order registration if FOHEL1_BDAT is not a valid date."

2. Delivery Date Validation

•**Logic:** The delivery date must be greater than or equal to the order date.

•**File:** FOHEL1 (Order Header Register)

•**Field:** FOHEL1_LDAT

•**Condition:** "The process will not allow order registration if FOHEL1_LDAT is less than FOHEL1_BDAT."

–

Special Conditions (Program-Specific)

1. Requisition Requirement (FO100R)

•**Logic:** If the customer requires a requisition, it must be filled out before processing the order.

•**File:** RKU2L1 (Customer Register)

•**Field:** RKU2L1_REKV

•**Condition:** "The process will not allow order registration if RKU2L1_REKV is blank."

2. Credit Limit Notification (FO100R)

•**Logic:** If the credit limit is exceeded, a notification is displayed, and the order can only be processed if it is an offer.

•**File:** RKU2L1 (Customer Register)

•**Field:** RKU2L1_SALD

•**Condition:** "The process will notify the user if the credit limit is exceeded unless the order type is 'T'."

–

Subprogram Calls Affecting Logic

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

1. AA005R (User Notification Program)

•**Trigger:** Called when user permissions are insufficient for specific actions.

•**Logic:** Displays a message to the user about permission issues.

•**Impact:** This call acts as a **major logical gateway** for user actions.

2. FL501R (Customer Information Retrieval)

•**Trigger:** Called to fetch customer details during order registration.

•**Logic:** Retrieves and populates customer information based on the selected customer.

•**Impact:** This is a **critical step** in ensuring accurate customer data is used in orders.

3. FO730R (Order Processing)

•**Trigger:** Called to finalize order processing after all validations.

•**Logic:** Updates the order header and processes order lines.

•**Impact:** Represents the handoff to the next major business function of order fulfillment.

–

This documentation provides a comprehensive overview of the business logic implemented in the FO100R program for order registration, detailing the rules, conditions, and subprogram interactions that govern the process.