FO100R.MBR

Path: NXCLOUD/rpgsrc/FO100R.MBR **Generated**: 2026-01-08 12:26:15 **Processing Time**: 11689ms

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Business Logic for Registrering av tilbud/ordre

This document outlines the business rules that govern the process of registering offers and orders, based on an analysis of the RPG program FO100R. The primary focus is on the validation and processing of customer orders within the system.

The core logic for processing orders is contained within the hente_ordre subroutine in FO100R. The program handles various conditions related to customer data, order types, and validation checks to ensure that orders are processed correctly.

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Order Status and Header Rules

Registrering av tilbud/ordre: FOHEUR, FOHEURR, FOHEUR1, FOHEUR2

1. Order Type Validation

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

•**File:** FOHEUR (Order Header)

•**Field:** FOOTYP

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

2. Customer Credit Check

•**Logic:** Orders can be registered even if the customer has a credit hold, but a warning will be issued if the credit limit is exceeded.

•**File:** FOHEUR (Order Header)

•**Field:** RKGRNS

•**Condition:** "If the customer's credit limit is exceeded, a warning will be displayed."

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Configuration and Authorization Rules

1. User Permissions for Customer Creation

•**Logic:** Users must have permission to create customers directly from the order system. If they do not have permission, an error message will be displayed.

•**Files:**

•AUSR (User Register)

•AVALL (Validation Codes)

•**Fields:**

•AUSR_USER (from AUSR)

•AVALL_APGM (from AVALL)

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

2. Order Type for Offers

•**Logic:** If the customer is a 'Tilbudskunde' (offer customer), they can only create orders of type 'T'.

•**File:** FOHEUR (Order Header)

•**Field:** FOOTYP
•**Condition:** "The order type must be 'T' for offer customers."

Financial and Transactional Rules

1. Credit Limit Exceeded Warning

•**Logic:** If the customer's credit limit is exceeded, a warning will be issued, but offers can still be created.
•**File:** FOHEUR (Order Header)
•**Fields:**
•RKGRNS (Credit Limit)
•RKSALD (Current Balance)
•**Condition:** "A warning will be displayed if the current balance exceeds the credit limit."

2. Delivery Date Validation

•**Logic:** The delivery date must be greater than or equal to the order date. If not, an error will be raised.
•**File:** FOHEUR (Order Header)
•**Condition:** "The process will not allow the order to be saved if the delivery date is earlier than the order date."

Special Conditions (Program-Specific)

1. Requisition Requirement Check

•**Logic:** If the customer requires a requisition and it is not provided, an error will be raised.
•**File:** FOHEUR (Order Header)
•**Field:** B1REKV
•**Condition:** "An error will be raised if the requisition field is blank for customers requiring it."

2. Order Number Handling

•**Logic:** If an order number is entered directly, it must be validated against existing records. If it exists, the order details will be retrieved.
•**File:** FOHEUR (Order Header)
•**Field:** B1ONUM
•**Condition:** "The process will retrieve order details if the order number exists in the system."

Subprogram Calls Affecting Logic

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

1. FO101R (Order Header Maintenance)

•**Trigger:** Called during the order creation process to maintain order header details.
•**Logic:** Updates order header information based on user input and validation checks.
•**Impact:** This call acts as a **major logical gateway** for maintaining order integrity.

2. FO730R (Order Processing)

•**Trigger:** Called after order details are validated and ready for processing.
•**Logic:** Handles the final processing of the order, including updates to inventory and customer records.

•**Impact:** This is a **destructive filtering step** that finalizes the order and updates related records.

3. AA005R (Error Messaging)

•**Trigger:** Called when validation errors occur during order processing.

•**Logic:** Displays error messages to the user based on the context of the error.

•**Impact:** Provides user feedback and prevents further processing until issues are resolved.

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This documentation provides a comprehensive overview of the business logic for the order registration process in the FO100R program. It outlines the key rules, conditions, and subprogram interactions necessary for maintaining data integrity and ensuring compliance with business requirements.