

FO100R.MBR

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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 applied during the registration of offers and orders.

The core logic for order registration is contained within the hente_ordre subroutine in FO100R. This subroutine handles the retrieval and validation of customer and order information, ensuring that all necessary conditions are met before proceeding with the order registration.

Order Status and Header Rules

Order Registration: FOHEUR, FOHEURR, RKUNPF, VOTYL1, VOT1L1, AVALL1

1. Order Type Validation

- Logic:** The order type must have a system code of 0 (Sales/Ofak) to be valid.
- File:** VOTYL1 (Order Type Register)
- Field:** VOTYL1_OTYP
- Condition:** "The process will not select a record if VOTYL1_OTYP does not equal 0."

2. Customer Credit Check

- Logic:** Orders can be registered even if the customer has a credit block, but a warning is shown if the credit limit is exceeded.
- File:** RKUNPF (Customer Register)
- Field:** RKSPFA
- Condition:** "If RKSPFA equals 1, the order cannot be registered unless overridden."

Configuration and Authorization Rules

1. Authorization for Customer Creation

- Logic:** Users must have permission to create customers directly from the order system.
- Files:**
 - FUSRL1 (User Register)
 - AVALL1 (Validation Codes)
- Fields:**
 - FUSRL1_USER (from FUSRL1)
 - AVALL1_APGM (from AVALL1)
- Condition:** "The process will not allow customer creation if the user does not have the appropriate permissions."

2. Delivery Type Retrieval

- Logic:** The delivery type is retrieved from the customer record if specified.
- File:** RKUNPF (Customer Register)
- Field:** RKLETY
- Condition:** "If RKLETY is not equal to 0, it will be used as the delivery type."

Financial and Transactional Rules

1. Credit Limit Check

- Logic:** The order cannot exceed the customer's credit limit unless it is an offer type order.
- File:** RKUNPF (Customer Register)
- Fields:**
 - RKSALD (Current Balance)
 - RKGRNS (Credit Limit)
- Condition:** "The process will not allow an order if RKSALD exceeds RKGRNS unless it is an offer."

2. Order Date Validation

- Logic:** The order date must be valid and cannot be set in the past.
- File:** FOHEUR (Order Header)
- Condition:** "The process will not proceed if the order date is less than the current date."

Special Conditions (Program-Specific)

1. Requisition Requirement Check

- Logic:** If the customer requires a requisition, it must be provided.
- File:** RKUNPF (Customer Register)
- Field:** RKREKV
- Condition:** "The process will not allow the order to be registered if RKREKV is set and the requisition is blank."

2. Order Type for Offer Customers

- Logic:** Offer customers can only create orders of type 'T'.
- File:** RKUNPF (Customer Register)
- Field:** RKSPFA
- Condition:** "The process will not allow order types other than 'T' for offer customers."

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 when the user wants to maintain order header information.
- Logic:** This program handles the update of order header details.
- Impact:** "This call acts as a major logical gateway for maintaining order information."

2. FO730R (Order Line Processing)

- Trigger:** Called to process order lines after the header is validated.
- Logic:** This program manages the addition and updating of order line items.
- Impact:** "This represents the handoff to the next major business function of managing order lines."

3. AA005R (Message Display)

- Trigger:** Called to display messages to the user based on validation results.

- Logic:** This program shows warning or error messages to the user.

- Impact:** "This ensures that users are informed of any issues during the order registration process."

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