FO100R.MBR

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Business Logic for Order Registration

This document outlines the business rules that govern the registration of offers/orders, based on an analysis of the RPG program FO100R. The primary focus is on the validation and processing logic involved in creating and maintaining customer orders.

The core logic for order registration is contained within the hente_ordre subroutine in FO100R. This subroutine handles the retrieval and validation of order details, including customer information, order types, and associated conditions.

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Order Status and Header Rules

Order Registration: FOHEUR, RKUNPF, VOTYL, VOT1L1, AVALL1, FOLAGE, FOHELUR

1. Order Existence Check

•**Logic:** The program checks if the order already exists in the FOHEUR file. If it does, it sets the order status to indicate it is being maintained.

•**File:** FOHEUR (Order Header File)

•**Field:** FOHEUR.NUMM

•**Condition:** The order is considered valid only if it is found in the FOHEUR file.

2. Customer Validation

•**Logic:** The program validates the customer associated with the order to ensure it is not blocked from placing orders.

•**File:** RKUNPF (Customer File)

•**Field:** RKUNPF.KUND

•**Condition:** The order cannot proceed if the customer has a status that indicates they are blocked from ordering.

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Configuration and Authorization Rules

1. Order Type Validation

•**Logic:** The program checks that the order type has a system code of 0, which indicates it is a valid sales order type.

•**Files:**

•VOTYL (Order Type File)

•**Fields:**

•VOTYL.OTYP

•**Condition:** The process will not select an order type if the system code is not equal to 0.

2. Credit Limit Check

•**Logic:** The program checks if the customer's credit limit has been exceeded. If it has, it will prompt the user for confirmation to proceed.

•**File:** RKUNPF (Customer File)

•**Field:** RKUNPF.SALD

•**Condition:** The order cannot be processed if the customer's balance exceeds their credit limit.

Financial and Transactional Rules

1. Delivery Date Validation

•**Logic:** The program ensures that the delivery date is valid and not earlier than the order date.

•**File:** FOHEUR (Order Header File)

•**Fields:**

•FOHEUR.DDAT (Delivery Date)

•FOHEUR.BDAT (Order Date)

•**Condition:** The process will not proceed if the delivery date is earlier than the order date.

2. Order Type Restrictions for Customers

•**Logic:** If the customer is marked as a "cash customer," the order type must be restricted to "T" (offer).

•**File:** RKUNPF (Customer File)

•**Field:** RKUNPF.KUND

•**Condition:** The process will block the order if the customer type does not match the required order type.

Special Conditions (Program-Specific)

1. Requisition Requirement Check

•**Logic:** The program checks if the customer requires a requisition for the order. If so, it must be provided.

•**File:** RKUNPF (Customer File)

•**Field:** RKUNPF.REKV

•**Condition:** The order cannot be processed without a requisition if the customer has this requirement.

2. Handling of Offers

•**Logic:** The program allows offers to be registered even if the customer has a credit hold, but it requires additional confirmation.

•**File:** RKUNPF (Customer File)

•**Field:** RKUNPF.SPER

•**Condition:** The process will allow registration of offers if the customer has a credit hold, but it must be explicitly confirmed by the user.

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 opts to maintain an existing order.

•**Logic:** This program handles the maintenance of order header details.

•**Impact:** This call acts as a **major logical gateway** for updating order information.

2. FO730R (Order Line Processing)

•**Trigger:** Called when processing order lines for a given order.

•**Logic:** This program manages the details of the order lines, including pricing and inventory
 checks.

•**Impact:** This is a **critical step** in ensuring that all line items are correctly processed and
 validated.

3. FO794R (Inventory Update)

•**Trigger:** Called when there are changes to the inventory related to the order.

•**Logic:** This program updates the inventory based on the order details.

•**Impact:** This ensures that inventory levels are accurately maintained and reflects any changes
 made during order processing.

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