FD100R.MBR

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Business Logic for Order Line Registration

This document outlines the business rules that govern the order line registration process, based on an analysis of the RPG program FD100R. The primary focus is on the logic related to order line management, including updates, deletions, and validations.

The core logic for order line registration is contained within various subroutines in FD100R. The program handles the registration of offers and orders, ensuring that all necessary validations and updates are performed on the order lines and associated data.

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Order Status and Header Rules

Order Line Registration: fodtl1, fohel1, vvarl1, votyl1

1. Check for Deleted Items

•**Logic:** The program checks if any order lines contain deleted items. If found, it sets a flag to notify the user.

•**File:** fodtl1 (Order Line File)

•**Field:** fdvare

•**Condition:** The process will display a warning if any order lines have a fdvare that is not blank and fdlvre is equal to 0.

2. Retrieve Order Information

•**Logic:** The program retrieves information from the order header and populates the necessary fields for processing.

•**File:** fohel1 (Order Header File)

•**Field:** footyp, fonavn, foadr1, fosted

•**Condition:** Information is retrieved based on the current order number and suffix.

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Configuration and Authorization Rules

1. Authorization for Function Keys

•**Logic:** The program checks if the user has permission to use specific function keys based on their role.

•**Files:**

•fusrl1 (User Role File)

•**Fields:**

•fusrl1_user (User ID)

•**Condition:** Access is denied if the user does not have the appropriate permissions for the selected function.

2. Check for Credit Limit Exceedance

•**Logic:** Before processing an order, the program checks if the total order amount exceeds the customer's credit limit.

•**File:** rkunl1 (Customer File)

•**Field:** rkgrns (Credit Limit)

•**Condition:** The order will not be processed if the total exceeds the available credit.

Financial and Transactional Rules

1. Update Order Totals

•**Logic:** The program calculates the total order amount and updates the order header accordingly.

•**File:** fohel1 (Order Header File)

•**Fields:**

•fotots (Total Amount)

•fototr (Total Discount)

•**Condition:** The totals are recalculated whenever an order line is added or modified.

2. Deposit Requirement Check

•**Logic:** The program checks if a deposit is required based on the order type and total amount.

•**File:** sdepl1 (Deposit File)

•**Condition:** A deposit must be paid if the order total exceeds a certain threshold.

Special Conditions (Program-Specific)

1. Display Warning for Deleted Items (FD100R)

•**Logic:** If the order contains deleted items, a warning message is displayed to the user.

•**File:** fodtl1 (Order Line File)

•**Field:** fdvare

•**Condition:** The warning is triggered if any line has a fdvare that is not blank and fdlvre is equal to 0.

2. Handle Order Line Deletion (FD100R)

•**Logic:** The program allows users to delete order lines, but checks if the line is linked to any active orders.

•**File:** fodtl1 (Order Line File)

•**Field:** fdline

•**Condition:** The deletion is only allowed if the line is not linked to any active orders.

Subprogram Calls Affecting Logic

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

1. FO730R (Order Update Program)

•**Trigger:** Called when updating order totals or processing order lines.

•**Logic:** This program recalculates the order totals and updates the order header.

•**Impact:** It ensures that the order reflects the current state of the order lines.

2. FD102R (Item Retrieval Program)

•**Trigger:** Called when validating or retrieving item information based on the order line.

•**Logic:** This program checks the validity of the item and retrieves necessary details.

•**Impact:** It ensures that only valid items are processed within the order.

3. AA005R (Message Display Program)

•**Trigger:** Called to display warning messages to the user.

•**Logic:** This program presents messages based on the conditions met during processing.

•**Impact:** It enhances user experience by providing relevant feedback during order processing.

This documentation serves as a guide for understanding the business logic implemented in the FD100R program, focusing on order line registration and management.