NM700R.MBR

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Business Logic for Customer Information Export

This document outlines the business rules that govern the export of customer information for the online store, based on an analysis of the RPG program NM700R. The primary focus is on the logic that processes customer data and generates structured output for further use.

The core logic for exporting customer information is contained within the main program logic of NM700R. The program reads customer records, validates them, and formats them into a structured message for export.

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Customer Data and Validation Rules

Customer Information Export: rkunl1, rkbplr, fkprl1, fkmalr, anbll3, ekbtir, ckgrl2, ckkllr

1. Customer Record Existence Check

•**Logic:** The program checks if a customer record exists for the given firm and customer ID. If not found, it sets an error status.

•**File:** rkunl1 (Customer Master File)

•**Field:** rkkund

•**Condition:** "The process will not proceed if the customer record is not found."

2. Organization Record Existence Check

•**Logic:** The program checks if an organization record exists for the customer. If not found, it sets an error status.

•**File:** anbhl1 (Organization Master File)

•**Field:** aoleie

•**Condition:** "The process will not proceed if the organization record is not found."

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Customer Data Formatting Rules

1. Message Header Formatting

•**Logic:** The program constructs the message header with a unique reference number and version information.

•**File:** N/A

•**Fields:** d_unhrefno, d_unhtypeid, d_unhversion

•**Condition:** "The message header is generated regardless of customer data presence."

2. Customer Information Formatting

•**Logic:** The program formats customer details into a structured message, including name, address, and contact information.

•**File:** rkunl1 (Customer Master File)

•**Fields:** d_cusnum, d_cusnam, d_cusad1, d_cusad2, d_cusmai, d_custlf, d_cusmob, d_cusfax

•**Condition:** "Customer information is formatted and written to the output if the customer record is valid."

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Special Conditions (Program-Specific)

1. Email Address Validation

•**Logic:** The program checks if the email address is blank for customers with a specific access
level. If blank, a warning is logged, and the customer is excluded from the export.

•**File:** rkunl1 (Customer Master File)

•**Field:** rkprti, rkemal

•**Condition:** "If the email address is blank and the access level is greater than zero, the customer
is excluded."

2. Project Information Formatting

•**Logic:** The program retrieves and formats project-related information for customers, including
project name and address.

•**File:** fkprl1 (Customer Project File)

•**Fields:** d_cprnam, d_cprad1, d_cprpon

•**Condition:** "Project information is included if the project record is valid and the project date is not
in the past."

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Subprogram Calls Affecting Logic

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

1. kontpers (Contact Person Retrieval)

•**Trigger:** Called during the customer information export process.

•**Logic:** This subroutine retrieves contact person details for the customer and formats them for
output.

•**Impact:** "This call enriches the customer data with contact information."

2. kunbonus (Customer Bonus Calculation)

•**Trigger:** Called to calculate and retrieve customer bonus information.

•**Logic:** This subroutine aggregates bonus data for the customer and formats it for export.

•**Impact:** "This adds additional financial data to the customer export, enhancing the output."

3. *inzsr (Initialization Subroutine)

•**Trigger:** Called at the start of the program to initialize parameters and keys.

•**Logic:** This subroutine sets up the necessary keys for reading customer and related records.

•**Impact:** "This ensures that all necessary keys are correctly initialized for subsequent data
retrieval."

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This documentation provides a comprehensive overview of the business logic implemented in the
NM700R program for exporting customer information, detailing the rules and conditions that
govern the data processing and output generation.