NM700R.MBR

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Business Logic for NM700R

This document outlines the business rules that govern the export of customer information for the Nettbutikk (Online Store) process, based on an analysis of the RPG program NM700R. The primary focus is on how customer data is retrieved, processed, and formatted for export.

The core logic for exporting customer information is contained within the main program logic and several subroutines. The program retrieves data from various files, processes it, and formats it into a specific structure for output.

Customer Information and Record Structure Rules

NM700R: rkunl1, rkbplr, fkprl1, fkmalr, anbll3, netkund, netkrappr

1. Data Retrieval

•**Logic:** The program retrieves customer data from multiple files, including rkunl1, rkbplr, and fkprl1, ensuring that necessary records exist before proceeding.

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

•**Field:** rkkund (Customer Number)

•**Condition:** The process will not continue if the customer record is not found in rkunl1.

2. Message Header Creation

•**Logic:** The program creates a message header that includes a unique reference number and message type.

•**File:** netkund (Output File for Customer Data)

•**Field:** d_unhrefno (Reference Number)

•**Condition:** The header is written to the output file upon successful retrieval of customer data.

Customer Validation and Processing Rules

1. Email Validation

•**Logic:** The program checks if the customer email is provided; if not, it logs a message indicating the omission.

•**Files:**

•rkunl1 (Customer Master File)

•rkbplr (Customer Access File)

•**Fields:**

•rkprti (Access Code)

•rkemail (Email Address)

•**Condition:** If rkemail is blank and rkprti is greater than 0, a message is logged and the customer is excluded from the export.

2. Address Validation

•**Logic:** The program checks if the customer address is complete; if not, it logs a message indicating the missing information.

- **File:** rkunl1 (Customer Master File)
- **Field:** rksted (Address)
- **Condition:** If the address is incomplete, a message is logged and the customer is excluded from the export.

Customer Project and Contact Information Rules

1. Customer Project Information

- **Logic:** The program retrieves project-related information for each customer and formats it for export.
- **File:** fkprl1 (Customer Project File)
- **Fields:**
- flkund (Customer Number)
- flkpro (Project Number)
- **Condition:** The project information is only included if the project date is valid.

2. Contact Person Information

- **Logic:** The program retrieves contact details for the customer and formats them for export.
- **File:** rukpl6 (Contact Person File)
- **Fields:**
- ruknav (Contact First Name)
- rumail (Contact Email)
- **Condition:** If the contact role is 'EHANDEL', the contact details are included in the export.

Special Conditions (Program-Specific)

1. Customer Bonus Calculation (NM700R)

- **Logic:** The program calculates any applicable bonuses for the customer based on their transactions.
- **File:** ekbtir (Bonus File)
- **Field:** ektsbo (Bonus Amount)
- **Condition:** Bonuses are calculated only if the customer has valid transaction records.

2. Final Message Structure (NM700R)

- **Logic:** The program constructs the final message structure for the export, including the total number of records processed.
- **File:** netkund (Output File for Customer Data)
- **Fields:** d_untnosegmen, d_untrefno (Message Footer Fields)
- **Condition:** The footer is written after all customer records have been processed.

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 Subroutine)

- **Trigger:** Called to retrieve and format contact person information for each customer.
- **Logic:** This subroutine checks for contact details and formats them for output.

•**Impact:** Ensures that contact information is included in the final export if available.

2. kunbonus (Customer Bonus Subroutine)

•**Trigger:** Called to calculate bonuses for customers based on their transaction history.

•**Logic:** This subroutine aggregates bonus amounts from the bonus file.

•**Impact:** Affects the final output by including any calculated bonuses for customers.

3. *inzsr (Initialization Subroutine)

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

•**Logic:** Sets up the necessary keys for reading customer and project data.

•**Impact:** Critical for ensuring that the program can access the required data files correctly.

This documentation provides a comprehensive overview of the business logic implemented in the NM700R RPG program, detailing the rules and conditions that govern the export of customer information.