NM700R.MBR

Path: NXCLOUD/rpgsrc/NM700R.MBR **Generated**: 2026-01-08 15:04:07 **Processing Time**: 12348ms

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 the logic that handles the retrieval and formatting of customer data for export. The core logic for exporting customer information is contained within the main program logic of NM700R. The program processes customer records, checks for required fields, and formats the data into a specific structure for output.

Customer Data Retrieval and Validation Rules

NM700R: rkunl1, rkbplr, fkprl1, fkmalr, anbll3, apospf, ekbtir, ckgrl2, ckkllr

1. Check Existence of Online Store

•**Logic:** The program checks if there is an online store associated with the firm. If not found, it sets a status code to 'E' and exits.

•**File:** anbll3 (Online Store Information)

•**Field:** anbll3_fgr, anbll3_fir

•**Condition:** The process will not continue if the online store record is not found.

2. Check Existence of Owner Information

•**Logic:** The program checks if there is owner information associated with the online store. If not found, it sets a status code to 'E' and exits.

•**File:** anbhl1 (Owner Information)

•**Field:** aoleie

•**Condition:** The process will not continue if the owner record is not found.

Customer Information Formatting Rules

1. Format Message Header

•**Logic:** The program constructs the message header with specific identifiers and timestamps.

•**File:** N/A (in-memory structure)

•**Fields:** d_unh, d_unhrefno

•**Condition:** The header is always written before customer data is processed.

2. Format Organization Information

•**Logic:** The program fills in organization details from the owner information.

•**File:** N/A (in-memory structure)

•**Fields:** d_orgid, d_orgstoreid, d_orgname

•**Condition:** Organization data is written after the header.

Customer Data Processing Rules

1. Process Customer Records

•**Logic:** The program reads customer records and checks for required fields. If certain fields are missing, it logs a message and may skip the record.

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

•**Fields:** rkkund, rknavn, rkgate, rkadr2, rkponr, rksted

•**Condition:** The record is processed unless critical fields are missing (e.g., address).

2. Check Email Address

•**Logic:** The program checks if the customer email address is provided. If missing, it logs a message and may skip the record.

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

•**Field:** rkprti

•**Condition:** If rkemal is blank and rkprti is greater than 0, the record is logged as missing an email.

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Special Conditions (Program-Specific)

1. Handle Customer Projects

•**Logic:** The program retrieves and formats project information associated with the customer.

•**File:** fkprl1 (Customer Projects)

•**Field:** flkpro, flnavn, fladr1, fladr2

•**Condition:** Projects are processed only if the project date is valid.

2. Retrieve Additional Customer Data

•**Logic:** The program retrieves additional customer data from related files and formats it for output.

•**File:** fkmalr (Customer Additional Information)

•**Fields:** flmail, flkprs, flmkom

•**Condition:** Additional data is retrieved only if the customer project exists.

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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 Check)

•**Trigger:** Called during customer processing to retrieve contact person details.

•**Logic:** It checks if a contact person exists for the customer and retrieves their information.

•**Impact:** This affects the overall customer data output, ensuring contact details are included.

2. kunbonus (Customer Bonus Check)

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

•**Logic:** It aggregates bonus data for the customer and formats it for output.

•**Impact:** This ensures that any applicable bonuses are included in the customer export.

3. *inzsr (Initialization Subroutine)

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

•**Logic:** Sets up necessary keys for accessing customer and related data.

•**Impact:** This establishes the context for the entire program execution, ensuring data integrity.

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This documentation provides a comprehensive overview of the business logic implemented in the NM700R program, focusing on customer data retrieval, validation, and formatting for export.