

JO100R.MBR

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Business Logic for JO100R

This document outlines the business rules that govern the matching of goods based on parameters, based on an analysis of the RPG program JO100R. The primary focus is on the validation and processing of input fields related to supplier and product groupings.

The core logic for the matching process is contained within the sjekk_input subroutine in JO100R. The program processes input fields, checks for validity, and calls another program (JO101R) to perform the actual matching based on the validated parameters.

Input Validation and Processing Rules

JO100R: rlevl1, vogrl1, vhgrl1, vugrl1

1. Supplier Number Validation

- Logic:** Checks if the supplier number is numeric and exists in the supplier file. If not, it sets an error flag.
- File:** rlevl1 (Supplier file)
- Field:** rlevl1_levr
- Condition:** The process will not proceed if b1ldor is not blank and is not numeric.

2. Overgroup Validation

- Logic:** Validates if the overgroup exists in the corresponding file. Sets an error flag if it does not.
- File:** vogrl1 (Overgroup file)
- Field:** vogrl1_oogr
- Condition:** The process will not proceed if b1ogrp is not zero and does not exist in the overgroup file.

3. Main Group Validation

- Logic:** Validates if the main group exists in the corresponding file. Sets an error flag if it does not.
- File:** vhgrl1 (Main group file)
- Field:** vhgrl1_hogr
- Condition:** The process will not proceed if b1hgrp is not zero and does not exist in the main group file.

4. Subgroup Validation

- Logic:** Validates if the subgroup exists in the corresponding file. Sets an error flag if it does not.
- File:** vugrl1 (Subgroup file)
- Field:** vugrl1_uogr
- Condition:** The process will not proceed if b1ugrp is not zero and does not exist in the subgroup file.

Matching Process Rules

1. Call to Matching Program

- Logic:** If all input fields are validated successfully, the program calls JO101R to perform the matching of goods.

- File:** N/A (External program)

- Fields:**

- w_firm (Firm identifier)

- b1ldor (Supplier number)

- b1ogrp (Overgroup)

- b1hgrp (Main group)

- b1ugrp (Subgroup)

- w_va1f (First item number)

- w_va1t (Second item number)

- Condition:** The call is made only if b_feil is off (no errors detected).

2. Item Number Validation

- Logic:** Ensures that the first item number is less than or equal to the second item number. Sets an error flag if this condition is violated.

- File:** N/A (In-memory validation)

- Condition:** The process will not proceed if b1va1f is greater than b1va1t.

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Special Conditions (Program-Specific)

1. Error Handling (JO100R)

- Logic:** If any validation fails, the program will not proceed to the matching step and will return to the input screen.

- File:** N/A (In-memory error handling)

- Condition:** The program checks the b_feil flag after each validation step.

2. Input Field Initialization (JO100R)

- Logic:** Initializes necessary input fields from the local data area before processing begins.

- File:** N/A (In-memory initialization)

- Fields:** w_firm (Firm identifier)

- Condition:** This initialization occurs at the start of the program.

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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. JO101R (Matching Program)

- Trigger:** Called after input validation is successful.

- Logic:** Performs the actual matching of goods based on the parameters passed from JO100R.

- Impact:** This call acts as a **major logical gateway** for processing the matching of goods.

2. RL500R (Supplier Lookup)

- Trigger:** Called when validating the supplier number.

- Logic:** Checks if the supplier number exists and retrieves related information.

- Impact:** This is a **critical validation step** for ensuring the supplier number is valid.

3. VG510R, VG511R, VG512R (Group Lookups)

- Trigger:** Called when validating overgroup, main group, and subgroup respectively.

- Logic:** Each program checks the existence of the respective group in their files.
- Impact:** These calls ensure that the groupings are valid before proceeding with the matching process.