

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 input validation and matching logic for goods.

The core logic for processing the matching of goods is contained within the sjekk_input subroutine in JO100R. The program handles user inputs, validates them, and calls another program (JO101R) to perform the matching based on the validated parameters.

Input Validation and Matching Rules

JO100R: rlevl1, vogrl1, vhgrl1, vugrl1

1. Supplier Number Validation

- Logic:** Checks if the supplier number is numeric and exists in the supplier file.
- File:** rlevl1 (Supplier File)
- Field:** rlevr
- Condition:** The process will not proceed if b1ldor is not equal to *BL and is not blank, and if the supplier number is not found in the rlevl1 file.

2. Overgroup Validation

- Logic:** Validates the overgroup number against the vogrl1 file.
- File:** vogrl1 (Overgroup File)
- Field:** vgoogr
- Condition:** The process will not proceed if b1ogrp is not equal to 0 and the overgroup number is not found in the vogrl1 file.

3. Main Group Validation

- Logic:** Validates the main group number against the vhgrl1 file.
- File:** vhgrl1 (Main Group File)
- Field:** vghogr
- Condition:** The process will not proceed if b1hgrp is not equal to 0 and the main group number is not found in the vhgrl1 file.

4. Subgroup Validation

- Logic:** Validates the subgroup number against the vugrl1 file.
- File:** vugrl1 (Subgroup File)
- Field:** vguogr
- Condition:** The process will not proceed if b1ugrp is not equal to 0 and the subgroup number is not found in the vugrl1 file.

5. Item Number Validation

- Logic:** Ensures that the item number range is valid.
- File:** N/A

- Fields:** b1va1f, b1va1t
 - Condition:** The process will not proceed if b1va1f is greater than b1va1t.
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Matching Process Rules

1. Call to Matching Program

- Logic:** Calls the JO101R program to perform the matching based on validated parameters.
 - File:** N/A
 - Fields:** w_firm, b1ldor, b1ogrp, b1hgrp, b1ugrp, w_va1f, w_va1t, b1kode
 - Condition:** The matching program is called after successful validation of input fields.
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Special Conditions (Program-Specific)

1. Error Handling (JO100R)

- Logic:** Sets an error flag if any validation fails.
- File:** N/A
- Field:** b_feil
- Condition:** The error flag is set to *on if any of the validation checks fail.

2. Input Field Initialization (JO100R)

- Logic:** Initializes the program and sets up keys for lookups.
 - File:** N/A
 - Fields:** w_firm, rlevl1_levr, vogrl1_oogr, vhgrl1_hogr, vhgrl1_hhgr, vugrl1_uogr, vugrl1_uhgr, vugrl1_uugr
 - Condition:** Keys are set up for supplier and group lookups 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 complete.
- Logic:** Performs the 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 in the supplier file.
- Impact:** This is a **critical validation step** that ensures only valid suppliers are processed.

3. VG510R, VG511R, VG512R (Group Lookups)

- Trigger:** Called when validating overgroup, main group, and subgroup numbers.
- Logic:** Each program checks if the respective group number exists in its corresponding file.
- Impact:** These calls ensure that only valid group numbers are used in the matching process, representing the handoff to the next major business function.