

# 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. This subroutine checks various input fields for validity before proceeding to call another program for further processing.

## Input Validation and Matching Rules

**JO100R:** rlevl1, vogrl1, vhgrl1, vugrl1

### 1. Supplier Number Validation

- Logic:** Checks if the supplier number is not equal to '\*BL' and is not blank. If it is provided, it verifies if it is numeric and checks if the supplier exists in the database.
- File:** rlevl1 (Supplier records)
- Field:** rlevl1\_levr
- Condition:** The process will not proceed if the supplier number is invalid or does not exist.

### 2. Overgroup Validation

- Logic:** Validates the overgroup number. If it is not zero, it checks if it exists in the vogrl1 file.
- File:** vogrl1 (Overgroup records)
- Field:** vogrl1\_oogr
- Condition:** The process will not proceed if the overgroup number is invalid or does not exist.

### 3. Main Group Validation

- Logic:** Checks the main group number. If it is not zero, it verifies its existence in the vhgrl1 file.
- File:** vhgrl1 (Main group records)
- Field:** vhgrl1\_hogr
- Condition:** The process will not proceed if the main group number is invalid or does not exist.

### 4. Undergroup Validation

- Logic:** Validates the undergroup number. If it is not zero, it checks if it exists in the vugrl1 file.
- File:** vugrl1 (Undergroup records)
- Field:** vugrl1\_uogr
- Condition:** The process will not proceed if the undergroup number is invalid or does not exist.

### 5. Item Number Validation

- Logic:** Ensures that the item number for the matching process is valid. If the end item number is zero, it assigns the start item number to it. It also checks that the start item number is not greater than the end item number.
- File:** Not applicable (in-memory validation)
- Fields:** b1va1f, b1va1t

- Condition:** The process will not proceed if the start item number is greater than the end item number.

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## Special Conditions (Program-Specific)

### 1. Input Field Check (JO100R)

- Logic:** Executes a series of checks on the input fields to ensure they meet the required criteria before proceeding with the matching process.
- File:** Not applicable (in-memory validation)
- Field:** Various input fields (e.g., b1ldor, b1ogrp, b1hgrp, b1ugrp)
- Condition:** The process will not proceed if any of the input fields fail validation checks.

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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:** This program performs the actual matching of goods based on the validated parameters passed to it.
- 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:** This program checks if the supplier exists in the database.
- Impact:** If the supplier does not exist, it sets a flag that prevents further processing.

### 3. VG510R, VG511R, VG512R (Group Lookups)

- Trigger:** Called when validating overgroup, main group, and undergroup numbers respectively.
- Logic:** These programs check the existence of the respective group numbers in their corresponding files.
- Impact:** If any group number does not exist, it sets a flag that prevents further processing, ensuring data integrity before matching.