# 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 main program structure of JO100R, which handles user input, validates it, and calls another program (JO101R) to perform the actual matching operation.

## Input Validation 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 exists in the supplier file.

•**File:** rlevl1 (Supplier file)

•**Field:** b1ldor

•**Condition:** The process will not proceed if the supplier number is invalid or does not exist in the supplier file.

**2. Overgroup Validation**

•**Logic:** Checks if the overgroup number is not zero and verifies its existence in the overgroup file.

•**File:** vogrl1 (Overgroup file)

•**Field:** b1ogrp

•**Condition:** The process will not proceed if the overgroup number is invalid or does not exist in the overgroup file.

**3. Main Group Validation**

•**Logic:** Checks if the main group number is not zero and verifies its existence in the main group file.

•**File:** vhgrl1 (Main group file)

•**Field:** b1hgrp

•**Condition:** The process will not proceed if the main group number is invalid or does not exist in the main group file.

**4. Subgroup Validation**

•**Logic:** Checks if the subgroup number is not zero and verifies its existence in the subgroup file.

•**File:** vugrl1 (Subgroup file)

•**Field:** b1ugrp

•**Condition:** The process will not proceed if the subgroup number is invalid or does not exist in the subgroup file.

## Matching Process Rules

**1. Product Number Validation**

•**Logic:** Ensures that if the end product number is not provided, it defaults to the starting product number. It also checks that the starting product number is not greater than the ending product number.

•**File:** N/A

•**Fields:** b1va1f, b1va1t

•**Condition:** The process will not proceed if the starting product number is greater than the ending product number.

**2. Call to Matching Program**

•**Logic:** Calls the JO101R program to perform the matching operation with the validated parameters.

•**File:** N/A

•**Fields:** w_firm, b1ldor, b1ogrp, b1hgrp, b1ugrp, w_va1f, w_va1t, b1kode

•**Condition:** This call is made only after all input validations have passed.

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# Special Conditions (Program-Specific)

**1. Input Field Check (JO100R)**

•**Logic:** A subroutine that validates all input fields before proceeding with the main logic.

•**File:** N/A

•**Field:** Various input fields

•**Condition:** If any validation fails, the process will not proceed to the matching program.

**2. Initialization Subroutine (JO100R)**

•**Logic:** Initializes keys for lookups in various files and retrieves the firm identifier from the local data area.

•**File:** N/A

•**Fields:** w_firm, rlevl1_levr, vogrl1_oogr, vhgrl1_hogr, vugrl1_uogr

•**Condition:** This subroutine is called at the start of the program to set up necessary parameters.

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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 executing the matching process.

**2. RL500R (Supplier Lookup)**

•**Trigger:** Called during the input validation for supplier numbers.

•**Logic:** Validates the supplier number against the supplier file.

•**Impact:** Ensures that only valid suppliers are processed, which is critical for maintaining data integrity.

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

•**Trigger:** Called during the validation of product groups.

•**Logic:** Each of these programs validates the respective group numbers against their corresponding files.

•**Impact:** These calls ensure that the group numbers are valid before proceeding with the matching logic, which is essential for accurate processing.