

JO100R.MBR

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Business Logic for JO100R

This document outlines the business rules that govern the matching of items 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 item matching.

The core logic for the matching process is contained within the sjekk_input subroutine in JO100R. This subroutine checks the validity of input fields and calls other programs for further processing based on the validated input.

Input Validation and Matching Rules

JO100R: rlevl1, vogrl1, vhgrl1, vugrl1

1. Check Supplier Number

- Logic:** Validates that the supplier number is numeric and exists in the supplier file.
- File:** rlevl1 (Supplier file)
- Field:** rlevl1_levr
- Condition:** The process will not proceed if the supplier number is not numeric or does not exist in the supplier file.

2. Check Overgroup

- Logic:** Validates that the overgroup number exists in the overgroup file.
- File:** vogrl1 (Overgroup file)
- Field:** vogrl1_oogr
- Condition:** The process will not proceed if the overgroup number does not exist in the overgroup file.

3. Check Main Group

- Logic:** Validates that the main group number exists in the main group file.
- File:** vhgrl1 (Main group file)
- Field:** vhgrl1_hogr
- Condition:** The process will not proceed if the main group number does not exist in the main group file.

4. Check Subgroup

- Logic:** Validates that the subgroup number exists in the subgroup file.
- File:** vugrl1 (Subgroup file)
- Field:** vugrl1_uogr
- Condition:** The process will not proceed if the subgroup number does not exist in the subgroup file.

5. Check Item Number Range

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

- Fields:** b1va1f, b1va1t

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

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Program-Specific Rules

1. Call Matching Program (JO101R)

- Logic:** Calls the matching program with the validated parameters for further processing.

- File:** N/A

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

- Condition:** This call is made after all input fields have been validated successfully.

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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:** Processes the matching of items based on the parameters passed from JO100R.

- Impact:** This call acts as a **major logical gateway** for the item matching process.

2. RL500R (Supplier Lookup)

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

- Logic:** Validates the supplier number and retrieves additional supplier information.

- Impact:** This ensures that the supplier number is valid before proceeding with the matching logic.

3. VG510R, VG511R, VG512R (Group Lookups)

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

- Logic:** Validates the group numbers and retrieves additional group information.

- Impact:** These calls ensure that the group numbers are valid and exist in their respective files, which is critical for the matching process.