JO100R.MBR

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Business Logic for JO100R

This document outlines the business rules that govern the matching of items in the ERP system, 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 item matching is contained within the sjekk_input subroutine in JO100R. This subroutine checks various input fields for validity and then calls another program (JO101R) to perform the actual matching based on the validated inputs.

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Input Validation 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:** rllevr

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

2. Overgroup Validation

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

•**File:** vogrl1 (Overgroup file)

•**Field:** vogrl1_oogr

•**Condition:** The process will not proceed if the overgroup number is not found in the overgroup file.

3. Main Group Validation

•**Logic:** Validates the main group number against the main group file.

•**File:** vhgrl1 (Main group file)

•**Field:** vhgrl1_hogr

•**Condition:** The process will not proceed if the main group number is not found in the main group file.

4. Subgroup Validation

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

•**File:** vugrl1 (Subgroup file)

•**Field:** vugrl1_uugr

•**Condition:** The process will not proceed if the subgroup number is not found in the subgroup file.

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Matching Logic Rules

1. Item Number Validation

•**Logic:** Ensures that the starting item number is less than or equal to the ending item number.

•**File:** N/A

- **Fields:**
- b1va1f (Starting item number)
- b1va1t (Ending item number)
- **Condition:** The process will not proceed if the starting item number is greater than the ending item number.

2. Call to Matching Program
- **Logic:** Calls the JO101R program to perform the matching based on validated inputs.
- **File:** N/A
- **Condition:** The matching program is called only after all input validations pass.

Special Conditions (Program-Specific)

1. Input Field Check (JO100R)
- **Logic:** Checks all input fields for validity before proceeding with the matching process.
- **File:** N/A
- **Field:** Various input fields including b1ldor, b1ogrp, b1hgrp, b1ugrp
- **Condition:** If any input field fails validation, the process will not proceed to the matching program.

2. Initialization Routine (JO100R)
- **Logic:** Initializes key fields for lookups in the supplier and group files.
- **File:** N/A
- **Fields:**
- w_firm (Firm identifier)
- rlevl1_levr (Supplier key)
- vogrl1_oogr (Overgroup key)
- vhgrl1_hogr (Main group key)
- vugrl1_uogr (Subgroup key)
- **Condition:** This routine is called at the start of the program to set up necessary keys for processing.

Subprogram Calls Affecting Logic

Beyond direct file checks, several external subprograms are called that play a significant role in the workflow.

1. JO101R (Item Matching Program)
- **Trigger:** Called after input validation is successful.
- **Logic:** Performs the actual matching of items based on the validated input parameters.
- **Impact:** This call acts as a **major logical gateway** for the matching process.

2. RL500R (Supplier Lookup Program)
- **Trigger:** Called when validating the supplier number.
- **Logic:** Checks if the supplier number exists in the supplier file.
- **Impact:** This ensures that only valid suppliers are processed.

3. VG510R, VG511R, VG512R (Group Lookup Programs)
- **Trigger:** Called when validating group numbers.

- **Logic:** Each program checks the validity of overgroup, main group, and subgroup numbers respectively.
- **Impact:** These calls ensure that only valid groups are processed, maintaining data integrity in the matching process.