MRP General Issues

Purpose
This WIKI page aggregates my SCN documents and blog posts with frequent asked questions and common issue in PP-MRP.

Overview
Describes the issues and causes of MRP that often occurs.

FAQ
SAP created FAQ notes for different topics on the MRP component. On the following document you will find links to these FAQ notes:

- MRP: Frequently Asked Questions
- How to analyze an error message in debug
- What can I check if MRP does not plan a material?

MD04
MD04 is the most used transaction by production planners. On the following document you will find the solution to the most frequent issues on transaction MD04:

- Frequent issues on MD04

A sales order has already been closed but still appears on MD04, the sales order number is not displayed, a quantity is still linked to the sales order special stock... the answer to these and to another questions related to sales orders on MD04 can be found on the following document:

- MD04: Problems with sales orders
- SAP Note 1992885 - MD04: Problems with sales orders and deliveries

Rescheduling Check
Very often users report issues like "MRP is creating an extra replenishment proposal" or "exception message 20 is triggered for a fixed planning element". Such issues are usually related to an incorrect rescheduling check and the following document provides more details about the rescheduling check:

- Rescheduling check on MRP

Performance
The following document provides a link to a note with reports that will allow you to analyze and compare the statistics of each MRP run. They are specifically helpful to analyze performance issues:

- Useful reports for performance analysis on MRP

One of the most common reasons for performance issues on MRP is the usage of planning mode 3. The following document explains the disadvantages of using planning mode 3 and why it should be avoided on a productive system:

- MRP: Why shouldn’t I use planning mode 3 on a productive system?

BOM Explosion
On the following documents you will find some known causes for BOM explosion issues during the MRP run:

- Problems with BOM explosion on MRP
- Problems in the BOM explosion during the MRP
- Configurable planned order for material variants: Exception "53: No BOM explosion due to missing configuration"

**Scheduling**

Many customers have doubts regarding the use of forward scheduling to calculate the planned order dates created by MRP. The following document explains the logic behind forward scheduling on MRP and under which specific situation it is used:

- Forward scheduling on MRP

**Source Determination and Vendor**

One of the most frequent issues on MRP is a replenishment element created for external procurement created without a vendor. The document below provides an overview of the most frequent causes of this and another issues related to the source determination on MRP:

- MRP: Vendor is not selected and general problems on source determination
- Indicator 'Create Purchase Requisitions' is not considered by MRP

**HANA**

- Issues related to MRP on HANA
- MRP on HANA: What's new?
- Is your system prepared to take advantage of MRP on HANA?

**Stock Transfers**

For issues related to stock transfer reservations and requisitions created by MRP, see the documents below:

- MRP: Stock transfer reservations and deliveries
- Problems with the issuing storage location on stock transfers of BaDI MD_EXT_SUP?

Also take a look on the notes below, for more issues related to stock transfers:

- SAP Note 2038718 - MD04: Availability check dates for STO on the issuing plant
- SAP Note 1819952 - Stock transfer: Control the reduction of Planned Independent Requirements

**BAdIs**

The following document provides a list of the most useful BAdIs in MRP:

- BAdIs for MRP

An example implementation of BAdI MD_CHANGE_MRP_DATA, to make a stock transfer release not relevant to MRP or to transaction MD04:

- Making an element not relevant to MRP or MD04 using BAdI MD_CHANGE_MRP_DATA

An overview of the most frequent issues related to the MRP BAdIs can be found on the following note:

- SAP Note 2012620 - MRP: Problems with BAdI

**Related Content**

**Related Documents**
Related SAP Notes/KBAs

SAP Note 1508647: MRP does not consider the quota arrangement

SAP Note 1745312: MRP creates redundant proposals though there are fixed future receipts which can cover the requirements.

SAP Note 1729507: Completed sales order displayed on MD04 / MD05

SAP Note 1819952 - Stock transfer: Control the reduction of Planned Independent Requirements

SAP Note 1825187: Frequent issues on MD04

SAP Note 1967840: MRP does not create schedule lines

SAP Note 2012620 - MRP: Problems with BAdl

SAP Note 2038718 - MD04: Availability check dates for STO on the issuing plant

SAP Note 2040378 - Fixed indicator in purchase requisition