



Header Data

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Component	PP-MRP Material Requirements Planning
Other Components	PP-MP Master Planning
Priority	Recommendations / Additional Info
Category	Consulting

Symptom

You are using the ERP system and you want to improve the quality of your master data. You want to adjust your scheduling parameters (in-house production time, planned delivery time, total replenishment lead time) to the actual situations and thus evaluate and improve the quality of the procurement proposals generated by the system in terms of scheduling (planned or production orders, purchase requisitions, and purchase orders) in order to improve your missing quantity situation and the stock situation.

Other Terms

Material requirements planning (MRP), MRP run, materials planning, procurement proposal, replenishment element, scheduling, availability check, operational materials planning, material master, in-house production orders, planned order, production order, purchasing document, purchasing info record, contract, scheduling agreement, vendor, outline agreement, in-house production time, lot size dependent, lot size independent, processing time, setup time, interoperation time, purchasing department processing time, planned delivery time, goods receipt processing time, total replenishment lead time, replenishment lead time, basic start date, order start date, order finish date, release date, opening period for planned order, opening date, scheduled date, actual date, confirmation date, delivery date, confirmation date, basic-date scheduling, lead-time scheduling, reorder point, VM, safety stock, reorder point planning, material requirements planning, consumption-based materials planning, time-phased planning

Reason and Prerequisites

You use the ERP system to control materials planning. You do not exploit all the available functions. The scheduling of the replenishment element generated by the MRP run does not represent the actual situation. A correct representation of the replenishment lead times in the system is required for the various processes to work correctly (for example, scheduling, but also reorder point determination, safety stock determination, availability check, and so on). Incorrect replenishment lead times cause the following phenomena to occur in daily materials planning and product situations:

- Missing quantities due to inadequately maintained replenishment lead times in the system (in-house production times, planned delivery times)
- Too much stock due to replenishment lead times maintained (too long) in the system
- Incorrect dependent requirements dates compounded by the individual BOM levels
- Incorrect safety stock quantities
- Incorrect reorder point amount
- Extensive manual effort in materials planning
- Large number of quick fixes

Solution

In the SCM Consulting Solutions, SAP Consulting provides a number of tools for improving supply chain planning. The ERP add-on tool replenishment lead time monitor as an integral part of the SCM Consulting Solutions provides the following functions:

- Determination of in-house production time based on production orders and goods receipts available in the system (optionally based on confirmation data also)
- Determination of planned delivery time based on purchase orders and goods receipts available in the system
- Determination of total replenishment lead time via a BOM explosion

Here, the determined times are aggregated at different levels (for example, at purchasing info record level, at vendor level, at order level, at material level, and so on) and the underlying insecurity is calculated using the determination of statistical key figures.

Subsequently, the respective scheduling parameter can be updated directly in the master data (material master, purchasing info record, contract) from the replenishment lead time monitor.

Using SCM Consulting Solution tools such as the replenishment lead time monitor is supported by a number of consulting service offerings by the SCM Expert Service for SAP Consulting. Refer to the related notes mentioned in this note.

For details about this offer and relevant contact persons, see the attachments to this note or go to <http://www.sap.de/bestandsoptimierung>.

Validity

This document is not restricted to a software component or software component version

References

This document refers to:

SAP Notes

1832851 [SCM CS: Purchasing monitor](#)
1783924 [SCM CS: Multisourcing mit Planungskalendern](#)
1783469 [SCM CS: Supplier preview](#)
1761844 [SCM CS: Nutzung des SCM CS-Materialstammreifers in der MD04](#)
1752896 [SCM CS: Zugang zu einem Testsystem von SAP Consulting](#)
1750493 [SCM Consulting Solutions: Auslieferungsprozess](#)
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1962072 [SCM CS: Optimierte Ausschussrechnung mit der MRP Extension Baugruppenausschussanpassung](#)

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 2070541 [SCM CS: Holiday consideration](#)
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 2011149 [SCM CS: Ex-Work Stock Transfer](#)
 2011146 [SCM CS: EX-Work Supplier](#)

Attachments

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Delta_Funktionen_WBZ_Monitor_DE.pdf	400	application/pdf