

## Header Data

<b>Released On</b>	08.11.2011 11:19:32
<b>Release Status</b>	Released for Customer
<b>Component</b>	PP-MRP Material Requirements Planning
<b>Other Components</b>	PP-MP Master Planning
<b>Priority</b>	Recommendations / Additional Info
<b>Category</b>	Consulting

## Symptom

You use the ERP system for your material requirements planning. The selection of lot-sizing procedures is not based on decisions on costs. You want to control and optimize your stocks accurately by optimizing your lot size settings.

## Other Terms

Lot-size creation, lot size, lot, lot-size calculation, lot size planning, lot-sizing procedure, Groff procedure, part period balancing, part period balancing procedure, least unit cost procedure, dynamic lot size creation, static lot-sizing procedures, period lot-sizing procedures, period lot-sizing procedure, optimum lot size, fixed lot size, lot-for-lot order quantity, replenish to maximum stock level, daily lot size, weekly lot size, monthly lot size, Wagner-Whitin, rounding value, rounding profile, minimum lot size, maximum lot size, takt time, splitting, lot size determination, lot size grouping, storage costs indicator, lot-size-independent costs, procurement quantity determination, procurement quantity calculation, procurement quantity, quantity, procurement proposal, planned order, purchase requisition, production order, purchase order, stock transfer, stock transport requisition, stock transport order, stock transfer reservation, material requirements planning, MRP, MRP run, planning run, material requirements planning run, material shortage quantity, net requirement calculation, ABC/XYZ classification, ABC analysis, XYZ analysis, optimizing stock, optimizing lot size, lot size optimization, stock decrease, stock reduction, reduction in stock, requirements grouping, MD01, MD02, MD03, MD04, MD05, MD06, EX, FX, HB, TB, WB, MB, WI, SP, DY, GR

## Reason and Prerequisites

You use the ERP system to control materials planning. You do not exploit all the available functions. In particular, you want to improve the following areas:

- Using the available lot-sizing procedures accurately
- Increasing the master data quality
- Updating the optimal cost lot size procedure in the material master
- Improving the transparency of the stock situation

## Solution

SAP Consulting provides a variety of tools for improving supply chain planning with SCM Consulting Solutions. The ERP add-on tool "MRP monitor" is an integral part of SCM Consulting Solutions. You can use this add-on tool for a large number of functions (for further information, see Note 1333018). In addition, you can use this add-on tool to classify (ABC/XYZ classification) the materials according to the criteria that are important for materials planning.

Based on the MRP monitor, the ERP add-on tool "Lot size simulation" provides the following functions:

- Simulative determination of the resulting costs when choosing all lot-sizing procedures available in the ERP system (in the process, material requirements planning, reorder point planning, forecast-based planning, and partially available safety stock are taken into account optionally)
- The ideal lot-sizing procedure is displayed.
- The requirement coverage elements that were created simulatively are displayed.
- Optional restriction of the planning horizon
- Option to exclude individual lot-sizing procedures from the simulation
- Graphical display option for cost scheduling (planning horizon, calendar week, months) and the stock situation (planning horizon)
- Graphical display of aggregated stock values
- Different scenarios are analyzed for master data entries that improve or deteriorate by percentage, such as:
  - > Ordering costs
  - > Storage cost percentage
  - > Reorder point
  - > Safety stock
  - > Requirements

Using these functions, you can adapt to anticipated changes in the processes or on the market ahead of time, and you can adjust your lot-sizing procedures in sufficient time.

As of Release 2011.1 (and other SCM CS), the lot size simulation contains some cross functions of SCM CS (navigation profiles, resubmission, review, text add-in, measure tracking, #) that are described in SAP Note 1628068.

For details about this offer and relevant contact persons, see the attachments to this note or go to <http://www.sap.de/bestandsoptimierung> (German version; English version will be available in the near future).

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## Validity

Software Component	From Rel.	To Rel.	And Subsequent
SAP_APPL	600	600	<input checked="" type="checkbox"/>

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## 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-Materialstammreiters in der MD04](#)
- 1752896 [SCM CS: Zugang zu einem Testsystem von SAP Consulting](#)
- 1750493 [SCM Consulting Solutions: Auslieferungsprozess](#)
- 1745268 [SCM CS: Stocking Level Monitor](#)
- 1731839 [SCM CS: Navigationsprofile in mehreren Sprachen/Systemen](#)
- 1705981 [SCM CS: Übersicht SAP-Erweiterungen](#)
- 1653329 [SCM Consulting Solutions: Kanban monitor](#)
- 1653328 [SCM consulting solutions: Master data monitor](#)
- 1653327 [SCM CS: Production logistics monitor](#)
- 1649107 [SCM CS: Cross-plant planning](#)
- 1628068 [SCM CS: General functions](#)
- 1560155 [SCM CS: Diffs. bet. MRP lot formation & lot size simulation](#)
- 1560053 [SCM Consulting Solutions: Discontinuation control monitor](#)
- 1541340 [SCM Consulting Solutions: Inbound monitor](#)
- 1494735 [Add-On: ERP SCM CIF Defaulter for master data](#)
- 1493943 [Inventory Optimization \(Composite Note\)](#)
- 1492807 [Addnl service stock optimization: Determining business case](#)
- 1492806 [Additional service stock optimization: Matl doc. aggregation](#)
- 1476085 [FAQ SCM Consulting Solutions](#)
- 1418602 [APO-AddOn Demand Planning Quantity Distribution](#)
- 1366621 [APO-Add-On: Missing Parts Infosystem](#)
- 1366619 [APO-Add-On: Masterdata Check Monitor](#)
- 1363923 [Consulting for backlog elimination](#)
- 1363890 [SCM Consulting Solutions: Safety stock simulation](#)
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- 1341755 [SCM Consulting Solutions: Forecast monitor](#)
- 1341712 [SCM Consulting Solutions: Backlog monitor](#)
- 1341710 [SCM Consulting Solutions: Service Fill Monitor](#)
- 1341705 [SCM Consulting Solutions: MRP Exception Monitor](#)
- 1341571 [SCM Consulting Solutions: Replenishment lead time monitor](#)
- 1333018 [SCM consulting solutions: MRP monitor](#)
- 1320440 [Consulting information about optimizing stock](#)
- 1319579 [Add-on for simplified master data maint. of DP lifecycle](#)
- 1315243 [Consulting: MRP optimization](#)
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- 689101 [PP/DS optimization consulting](#)
- 579373 [SNP & deployment optimization consulting](#)

### This document is referenced by:

#### SAP Notes (60)

- 1494735 [Add-On: ERP SCM CIF Defaulter for master data](#)
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[1492807 Addnl service stock optimization: Determining business case](#)  
[1492806 Additional service stock optimization: Matl doc. aggregation](#)  
[1731839 SCM CS: Navigationsprofile in mehreren Sprachen/Systemen](#)  
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[1560155 SCM CS: Diffs. bet. MRP lot formation & lot size simulation](#)  
[1560053 SCM Consulting Solutions: Discontinuation control monitor](#)  
[1962072 SCM CS: Optimierte Ausschussrechnung mit der MRP Extension Baugruppenausschussanpassung](#)  
[1292209 Consulting: Forecast optimization](#)  
[2070541 SCM CS: Holiday consideration](#)  
[2070516 SCM CS: Forecast Analyzer](#)  
[2070106 SCM CS: Forecast Analyzer](#)  
[2070103 SCM CS: Material classification transfer to APO](#)  
[579373 SNP & deployment optimization consulting](#)  
[2059000 SCM CS: Combined transport and procurement planning with the transportation planner](#)  
[2057957 SCM CS - Erweiterte Änderungsbelegsauswertung mit dem ChangeLog-Monitor \(ERP\)](#)  
[2043811 SCM CS MAM: Multilevel ATP missing parts information](#)  
[2180070 SCM custom development solutions: Data deletion monitor](#)  
[1752896 SCM CS: Zugang zu einem Testsystem von SAP Consulting](#)  
[1418602 APO-AddOn Demand Planning Quantity Distribution](#)  
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[1315243 Consulting: MRP optimization](#)  
[2069971 SCM CS: Continuous output and cross-order overlaps](#)  
[2069958 SCM CS: Material memo transfer to APO](#)  
[2069951 SCM CS: Setup matrix transfer to APO](#)  
[1911251 SCM CS: Simulation von Planungsparametern \(MRP Simulation\)](#)  
[2068259 SCM Consulting Solutions: 3PA – 3rd Party Allocation in APO](#)  
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[1783469 SCM CS: Supplier preview](#)  
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[1653328 SCM consulting solutions: Master data monitor](#)  
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[1649107 SCM CS: Cross-plant planning](#)  
[2011149 SCM CS: Ex-Work Stock Transfer](#)  
[2011146 SCM CS: EX-Work Supplier](#)  
[1761844 SCM CS: Nutzung des SCM CS-Materialstammreiters in der MD04](#)

## Attachments

File Name	File Size (KB)	Mime Type
<a href="#">Delta_SLS_DE_2011_1.pdf</a>	447	application/pdf
<a href="#">Lot_Size_Simulation_2012_1_EN_v01.pdf</a>	487	application/pdf
<a href="#">Doku_LSS_EN_2011_1_v01.pdf</a>	711	application/pdf