Header Data

Released On	25.06.2015 15:16:22
Release Status	Released for Customer
Component	PP-MP-MFC Material Forecast
Other Components	PP-MRP Material Requirements Planning
Priority	Recommendations / Additional Info
Category	Consulting

Symptom

You are using the ERP system and you want to analyze and improve your forecast quality.

Other Terms

Forecast, forecast quality, forecast error, forecast performance, forecast monitoring, forecast adjustment, material forecast, flexible planning, Sales and Operations Planning, SOP, MAD, MAPE, MPE, RMSE, MSE, mean absolute deviation, mean absolute percentage error, mean percentage error, error measure, initialization, ex-post forecast, parameter optimization, constant model, trend model, seasonal model, first-order exponential smoothing, second-order exponential smoothing, moving average, smoothing parameter, automatic safety stock, automatic reorder point, historical run, time series run, historical data, planned independent requirements, forecast requirements, VPBED, PPRIM, MD61, MD62, MD63, MD64, MD70, MD74, MD75, MD76, MDO4, MDO5, MDO6, MP38, MP33, MP31

Reason and Prerequisites

You are using the ERP system to perform your forecasts and you do not use its potential completely. In particular, you want to improve the following areas:
- Selection of the correct forecast models
- Monitoring the forecast error
- Recognizing structural interruptions in the time series run
- Adjusting the forecast setting to an changing reality

Solution

The SCM Consulting Solutions of SAP Consulting provide a selection of tools for improving Supply Chain Planning. The ERP add-on tool (forecast monitor as an integral part of SCM Consulting Solutions) provides the following functions:
                                        - Determining various forecast errors (MAD, MAPE, MPE, RMSE, MSE)
- Access to different data sources for historical data (material consumptions, sales orders, material documents, structures of the Logistics Information System)
- Access to different data sources for forecast data (forecast values, Sales and Operations Planning, planned independent requirements, structures of the Logistics Information System)

If there is a critical forecast error, the system informs the user of this via various icons (info, warning, error) on the status that needs to be processed.

The SCM Expert Service of SAP Consulting supports the use of SCM Consulting Solution tools (such as the forecast monitor) through a series of consulting service offerings.
  Refer to the related notes that are mentioned in this present note.
For details about and contacts for this offer, refer to the attachments that can be called from the note management or go to http://www.sap.de/bestandsoptimierung.

Validity

Software Component	From Rel.	To Rel.	And Subsequent
SAP_APPL	600	600	☑
	602	602	☐
	603	603	☐
	604	604	☐
	605	605	☐
	606	606	☐
	616	616	☐
	617	617	☐

References

This document refers to:

SAP Notes

2154259	SCM CS: Supply Chain Performance Monitor
2070541	SCM CS: Holiday consideration
2070516	SCM CS: Forecast Analyzer
2070106	SCM CS: Forecast Analyzer
2070103	SCM CS: Material classification transfer to APO
2070098	SCM CS: Tooling equipment planning in APO
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
2068259	SCM Consulting Solutions: 3PA – 3rd Party Allocation in APO
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
2011149	SCM CS: Ex-Work Stock Transfer
2011146	SCM CS: EX-Work Supplier
1998786	SCM CS - Dispositionsmonitor: Bezeichnungen für Verbrauch bei unterschiedlichen Datenquellen
1957198	SCM CS - Dispomonitor: Make-to-Order-Kennzeichen (MTO) --> Definition und Konsequenzen für den Folgeprozess (Sollreichweiten)
1923552	SCM CS: CIF postprocessing
1911251	SCM CS: Simulation von Planungsparametern (MRP Simulation)
1907823	SCM Consulting Solutions: Capacity master data
1840036	SCM CS: Variant doctor additional program
1832851	SCM CS: Purchasing monitor
1830492	SCM CS: Update weiterer Verfahren für sonstige Parameter
1825791	SCM CS - Losgrößensimulation: Bestellpunktdisposition
1825790	SCM CS - Losgrößensimulation: Spezialfall Lagerortdispo
1783924	SCM CS: Multisourcing mit Planungskalendern
1783470	Dispomonitor: Verwendung fortgeschr. Verbäuche MVER/DVER
1783469	SCM CS: Supplier preview
1770154	Dispositionsmonitor: Unterschied der Datenquellen MVER/MSEG
1761844	SCM CS: Nutzung des SCM CS-Materialstammreiters in der MD04
1760876	Dispositionsmonitor: Lagerhüterauswertungen & Datenquelle
1760809	Dispositionsmonitor: Klassifizierung von Sonderfällen
1753104	SCM CS: Badiimplementierung /SAPAPO/SDP_INTERACT
1752896	SCM CS: Zugang zu einem Testsystem von SAP Consulting
1750932	Fehlerhafte Bestands- und Verbrauchswerte (getrennte Bew.)
1750493	SCM Consulting Solutions: Auslieferungsprozess
1745268	SCM CS: Stocking Level Monitor
1742449	SCM Consulting Solution: Delivery Scheduling Integrator
1731839	SCM CS: Navigationsprofile in mehreren Sprachen/Systemen
1705981	SCM CS: Übersicht SAP-Erweiterungen
1696863	SCM CS - Dispomonitor: Ausschl. Lagerorte in Werksanalyse
1691131	SCM CS:Creation material master add field for classification
1675893	SCM CS: Dispomonitor - Anzahl Verbrauchswerte in Grafik
1653328	SCM consulting solutions: Master data monitor
1653327	SCM CS: Production logistics monitor
1649107	SCM CS: Cross-plant planning
1628996	SCM CS: Verkaufsorganisation & VTL-Status
1628463	SCM CS: Negative Bodensätze und Lagerhüter-Kennzahl
1628068	SCM CS: General functions
1626580	SCM CS: Differences w/regard to key figures for SAP standard
1560155	SCM CS: Diffs. bet. MRP lot formation & lot size simulation
1560062	SCM CS: Differences between MC40 to MC50 and the MRP monitor
1560053	SCM Consulting Solutions: Discontinuation control monitor
1541340	SCM Consulting Solutions: Inbound monitor
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
1366621	APO-Add-On: Missing Parts Infosystem
1363923	Consulting for backlog elimination
1363890	SCM Consulting Solutions: Safety stock simulation
1363889	SCM Consulting Solutions: Lot size simulation
1363888	SCM Consulting Solutions: Inventory Cockpit

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
1315243	Consulting: MRP optimization
1308968	Change log for APO DP and APO SNP
1292209	Consulting: Forecast optimization

This document is referenced by:

SAP Notes (52)

1363888	SCM Consulting Solutions: Inventory Cockpit
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
1731839	SCM CS: Navigationsprofile in mehreren Sprachen/Systemen
1308968	Change log for APO DP and APO SNP
847234	TP/VS optimization consulting
1560053	SCM Consulting Solutions: Discontinuation control monitor
1292209	Consulting: Forecast optimization
2070541	SCM CS: Holiday consideration
2070516	SCM CS: Forecast Analyzer
2070103	SCM CS: Material classification transfer to APO
1363889	SCM Consulting Solutions: Lot size simulation
579373	SNP & deployment optimization consulting
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
1750493	SCM Consulting Solutions: Auslieferungsprozess
1541340	SCM Consulting Solutions: Inbound monitor
1626580	SCM CS: Differences w/regard to key figures for SAP standard
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
689101	PP/DS optimization consulting
1628068	SCM CS: General functions
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
1143744	TM optimization consulting
1705981	SCM CS: Übersicht SAP-Erweiterungen
1832851	SCM CS: Purchasing monitor
1320440	Consulting information about optimizing stock
1319579	Add-on for simplified master data maint. of DP lifecycle
1315243	Consulting: MRP optimization
1476085	FAQ SCM Consulting Solutions
2070098	SCM CS: Tooling equipment planning in APO
2069971	SCM CS: Continuous output and cross-order overlaps
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2068259	SCM Consulting Solutions: 3PA – 3rd Party Allocation in APO
1783924	SCM CS: Multisourcing mit Planungskalendern
1783469	SCM CS: Supplier preview
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
1761844	SCM CS: Nutzung des SCM CS-Materialstammreiters in der MD04

Attachments

File Name	File Size (KB)	Mime Type
Forecast_Monitor_Presentation_EN.pdf	405	application/pdf
Forecast_Monitor_Presentation_DE.pdf	343	application/pdf