

Chapter 3 Centralized planning models for multi-echelon uncertainty

Handbooks in Operations Research and Management Science
4, 133-173

DOI: [10.1016/s0927-0507\(05\)80183-5](https://doi.org/10.1016/s0927-0507(05)80183-5)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Performance Analysis of a Multi-Item Production-Inventory System Under Alternative Policies. <i>Management Science</i> , 1995, 41, 690-703.	2.4	70
2	One-Warehouse Multiretailer Systems with Centralized Stock Information. <i>Operations Research</i> , 1997, 45, 275-287.	1.2	109
3	Dynamic programming algorithms for multi-stage safety stock optimization. <i>OR Spectrum</i> , 1997, 19, 261-271.	2.1	42
4	Comparison of echelon stock and installation stock policies with policy adjusted order quantities. <i>International Journal of Production Economics</i> , 1997, 48, 1-6.	5.1	6
5	A Multiclass Hybrid Production Center in Heavy Traffic. <i>Operations Research</i> , 1998, 46, S13-S25.	1.2	25
6	Stationary Policies in Multiechelon Inventory Systems with Deterministic Demand and Backlogging. <i>Operations Research</i> , 1998, 46, S26-S34.	1.2	23
8	Stock Positioning and Performance Estimation in Serial Production-Transportation Systems. <i>Manufacturing and Service Operations Management</i> , 1999, 1, 77-88.	2.3	73
9	Managing supply chain inventories: A multiple retailer, one warehouse, multiple supplier model. <i>International Journal of Production Economics</i> , 1999, 59, 341-354.	5.1	199
10	Inventory control in multi-echelon divergent systems with random lead times. <i>OR Spectrum</i> , 1999, 21, 331-359.	2.1	5
11	An easily implementable hierarchical heuristic for a two-echelon spare parts distribution system. <i>IIE Transactions</i> , 1999, 31, 977-988.	2.1	43
12	94%-Effective Policies for a Two-Stage Serial Inventory System with Stochastic Demand. <i>Management Science</i> , 1999, 45, 1679-1696.	2.4	19
13	A Staggered Ordering Policy for One-Warehouse, Multiretailer Systems. <i>Operations Research</i> , 2000, 48, 281-293.	1.2	32
14	Near cost-optimal inventory control policies for divergent networks under fill rate constraints. <i>International Journal of Production Economics</i> , 2000, 63, 161-179.	5.1	14
15	Decentralized inventory control in a two-level distribution system. <i>European Journal of Operational Research</i> , 2000, 127, 483-506.	3.5	57
16	Performance measures of a make-to-order inventory-production system. <i>IIE Transactions</i> , 2000, 32, 409-419.	2.1	28
17	Exact Analysis of Continuous Review (R,Q) Policies in Two-Echelon Inventory Systems with Compound Poisson Demand. <i>Operations Research</i> , 2000, 48, 686-696.	1.2	98
18	Optimizing Strategic Safety Stock Placement in Supply Chains. <i>Manufacturing and Service Operations Management</i> , 2000, 2, 68-83.	2.3	312
19	Scaling down multi-echelon inventory problems. <i>International Journal of Production Economics</i> , 2001, 71, 255-261.	5.1	13

#	ARTICLE	IF	CITATIONS
20	Procurement Planning to Maintain Both Short-Term Adaptiveness and Long-Term Perspective. <i>Management Science</i> , 2001, 47, 769-786.	2.4	53
21	The value of information used in inventory control of a make-to-order inventory-production system. <i>IIE Transactions</i> , 2002, 34, 999-1013.	2.1	27
22	Supplier- and buyer-driven channels in a two-stage supply chain. <i>IIE Transactions</i> , 2002, 34, 691-700.	2.1	141
23	Multilocation Combined Pricing and Inventory Control. <i>Manufacturing and Service Operations Management</i> , 2002, 4, 275-295.	2.3	32
24	Heuristic Methods for Centralized Control of One-Warehouse,N-Retailer Inventory Systems. <i>Manufacturing and Service Operations Management</i> , 2002, 4, 75-97.	2.3	59
25	A supply chain network equilibrium model. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2002, 38, 281-303.	3.7	389
26	Service Level Relationships in Multi-stage Systems under the Base Stock Policy. <i>Opsearch</i> , 2002, 39, 230-242.	1.1	0
27	Multicriteria decision making under uncertainty. <i>Mathematical Programming</i> , 2002, 92, 537-554.	1.6	11
28	A lagrangian relaxation approach for supply chain planning with order/setup costs and capacity constraints. <i>Journal of Systems Science and Systems Engineering</i> , 2003, 12, 98-110.	0.8	24
29	A bimodal scheme for multi-stage production and inventory control. <i>Automatica</i> , 2003, 39, 793-805.	3.0	34
30	Comparative modelling of multi-stage production-inventory control policies with lot sizing. <i>International Journal of Production Research</i> , 2003, 41, 1273-1298.	4.9	31
31	Information Sharing and Supply Chain Coordination. <i>Handbooks in Operations Research and Management Science</i> , 2003, 11, 341-421.	0.6	295
32	A case study of integrating knowledge management into the supply chain management process. , 2003, , .		12
33	Supply chain planning with order/setup costs and capacity constraints a new Lagrangian relaxation approach. , 0, , .		3
34	Supply Chain Operations: Serial and Distribution Inventory Systems. <i>Handbooks in Operations Research and Management Science</i> , 2003, 11, 525-559.	0.6	66
35	Policies For Multi-Echelon Supply: Drp Systems With Probabilistic Time-Varying Demands. <i>Infor</i> , 2003, 41, 71-91.	0.5	8
36	Order Volatility and Supply Chain Costs. <i>Operations Research</i> , 2004, 52, 707-722.	1.2	28
37	Managing two-stage serial inventory systems under demand and supply uncertainty and customer service level requirements. <i>IIE Transactions</i> , 2004, 36, 73-85.	2.1	33

#	ARTICLE	IF	CITATIONS
38	Analysis and Optimization of a Multistage Inventory-Queue System. Management Science, 2004, 50, 365-380.	2.4	60
39	Optimal Policies for a Capacitated Two-Echelon Inventory System. Operations Research, 2004, 52, 739-755.	1.2	80
40	Echelon stock based continuous review (R,Q) policy for fast moving items. Omega, 2004, 32, 161-166.	3.6	13
41	Leveraging information in multi-echelon inventory systems. European Journal of Operational Research, 2004, 152, 263-280.	3.5	21
42	Managing Inventory and Supply Performance in Assembly Systems with Random Supply Capacity and Demand. Management Science, 2004, 50, 1729-1743.	2.4	77
43	Simulation-based optimisation of multi-echelon inventory systems. International Journal of Production Economics, 2005, 93-94, 505-513.	5.1	62
44	On the relationship between supply chain and transportation network equilibria: A supernetwork equivalence with computations. Transportation Research, Part E: Logistics and Transportation Review, 2006, 42, 293-316.	3.7	102
45	A FRAMEWORK FOR INFORMATION SHARING AND COOPERATION IN A DEPOT PROBLEM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 289-294.	0.4	0
46	Integrating direct and indirect sales channels under decentralized decision-making. International Journal of Production Economics, 2006, 103, 209-229.	5.1	70
47	Fuzzy logic based decision making system for stock allocation in a distribution supply chain. Intelligent Systems in Accounting, Finance and Management, 2006, 14, 27-42.	2.8	6
48	A network economic model for supply chain versus supply chain competition. Omega, 2006, 34, 283-295.	3.6	139
49	A Simulation Model for Evaluation of the effect of Leadtime Information Sharing in a Distribution Network. , 2006, , .		1
50	Optimal Policy for a Multiechelon Inventory System with Remanufacturing. Operations Research, 2006, 54, 532-543.	1.2	114
51	Bounds, Heuristics, and Approximations for Distribution Systems. Operations Research, 2007, 55, 503-517.	1.2	44
52	A Periodic-Review Modeling Approach for Guaranteed Service Supply Chains. Interfaces, 2007, 37, 420-436.	1.6	29
53	Optimizing Service Parts Inventory in a Multiechelon, Multi-Item Supply Chain with Time-Based Customer Service-Level Agreements. Operations Research, 2007, 55, 303-318.	1.2	59
54	Serial Supply Chains with Economies of Scale: Bounds and Approximations. Operations Research, 2007, 55, 843-853.	1.2	22
55	Heuristics for handling direct upstream demand in two-echelon distribution inventory systems. International Journal of Production Economics, 2007, 108, 266-270.	5.1	10

#	ARTICLE	IF	CITATIONS
56	Order optimisation in multi-location models with hub-and-spoke structure. International Journal of Production Economics, 2007, 108, 368-387.	5.1	4
57	Inventory positioning, scheduling and lead-time quotation in supply chains. International Journal of Production Economics, 2008, 114, 276-293.	5.1	33
58	A decision-making framework for managing maintenance spare parts. Production Planning and Control, 2008, 19, 379-396.	5.8	103
59	Stock positioning and performance estimation for distribution systems with service constraints. IIE Transactions, 2008, 40, 1141-1157.	2.1	25
60	How Negotiation Influences the Effective Adoption of the Revenue Sharing Contract: A Multi-Agent Systems Approach. , 0, , .		1
61	Inventory Management: Information, Coordination and Rationality. SSRN Electronic Journal, 0, , .	0.4	0
62	Strategic Safety Stocks in Supply Chains with Evolving Forecasts. Manufacturing and Service Operations Management, 2009, 11, 657-673.	2.3	40
63	A numerical analysis of supply chain performance under split decision rights. Omega, 2009, 37, 358-379.	3.6	25
64	POWER APPROXIMATIONS FOR A TWO-ECHELON INVENTORY SYSTEM USING SERVICE LEVELS. Production and Operations Management, 1995, 4, 381-400.	2.1	27
65	Vendor-managed inventory and the effect of channel power. OR Spectrum, 2009, 31, 195-228.	2.1	36
66	Optimal policy for a two-facility inventory problem with storage constraints and two freight modes. European Journal of Operational Research, 2009, 194, 78-84.	3.5	5
67	Analysis on Channel Information and Control Structure Performance in Food Supply Chain under E-commerce Environment. , 2009, , .		0
68	Supply Chain Management models for Industrial Districts: an Agent-Based Simulation study. International Journal of Intelligent Systems Technologies and Applications, 2009, 6, 332.	0.2	3
69	Analyzing Impact of Intermodal Facilities on Design and Management of Biofuel Supply Chain. Transportation Research Record, 2010, 2191, 144-151.	1.0	66
70	Inventory Management of a Fast-Fashion Retail Network. Operations Research, 2010, 58, 257-273.	1.2	181
71	A Power-of-Two Ordering Policy for One-Warehouse Multiretailer Systems with Stochastic Demand. Operations Research, 2010, 58, 492-502.	1.2	31
72	A Multiechelon Inventory Problem with Secondary Market Sales. Management Science, 2011, 57, 2145-2162.	2.4	27
73	Inventory control in divergent supply chains with time-based dispatching and shipment consolidation. Naval Research Logistics, 2011, 58, 59-71.	1.4	31

#	ARTICLE	IF	CITATIONS
74	Linear programming based decomposition methods for inventory distribution systems. European Journal of Operational Research, 2011, 211, 282-297.	3.5	14
75	Coordination of the Supplier-Retailer Relationship in a Multi-period Setting: The Additional Ordering Cost Contract. , 2011, , 235-254.		1
76	A qualitative evaluation of suppliers in a supply network using Six Sigma criterion. International Journal of Applied Decision Sciences, 2012, 5, 64.	0.2	4
77	Lower Bounds and Heuristics for Supply Chain Stock Allocation. Operations Research, 2012, 60, 92-105.	1.2	38
78	Multiperiod competitive supply chain networks with inventorying and a transportation network equilibrium reformulation. Optimization and Engineering, 2012, 13, 471-503.	1.3	37
79	Using online pickup site inclusion policies to manage demand in retail/E-tail organizations. Computers and Operations Research, 2012, 39, 991-999.	2.4	43
80	Managing Downstream Competition via Capacity Allocation. Production and Operations Management, 2013, 22, 426-446.	2.1	47
81	Assessing the Efficiency of Risk Mitigation Strategies in Supply Chains. Journal of Business Logistics, 2013, 34, 253-269.	7.0	127
82	Integration of control theory and scheduling methods for supply chain management. Computers and Chemical Engineering, 2013, 51, 4-20.	2.0	84
83	Base stock system for patient vs impatient customers with varying demand distribution. , 2013, , .		0
84	A constrained Nash bargaining approach to the stock rationing problem in multi-echelon supply chains. International Journal of Advanced Manufacturing Technology, 2014, 72, 571-587.	1.5	3
85	Consolidation strategies for the delivery of perishable products. Transportation Research, Part E: Logistics and Transportation Review, 2014, 69, 108-121.	3.7	47
86	Multi-location Inventory Models for Retail Supply Chain Management. Profiles in Operations Research, 2015, , 319-347.	0.3	5
87	A simulation-based optimization approach to integrated inventory management of a sawlog supply chain with demand uncertainty. Canadian Journal of Forest Research, 2015, 45, 1313-1326.	0.8	22
88	Two-echelon stochastic inventory system with returns and partial backlogging. International Journal of Systems Science, 2015, 46, 966-975.	3.7	7
89	Knowledge You Can Act On: Optimal Policies for Assembly Systems with Expediting and Advance Demand Information. SSRN Electronic Journal, 0, , .	0.4	0
90	Component procurement and end product assembly in an uncertain supply and demand environment. International Journal of Production Research, 2015, 53, 969-982.	4.9	14
91	Exact Analysis of Divergent Inventory Systems with Time-Based Shipment Consolidation and Compound Poisson Demand. Operations Research, 2016, 64, 906-921.	1.2	26

#	ARTICLE	IF	CITATIONS
92	Safety stock placement in supply chains with demand forecast updates. <i>Operations Research Perspectives</i> , 2016, 3, 27-31.	1.2	22
93	Knowledge You Can Act on: Optimal Policies for Assembly Systems with Expediting and Advance Demand Information. <i>Operations Research</i> , 2016, 64, 1338-1371.	1.2	20
94	Risk Management Strategies in Transportation Capacity Decisions: An Analytical Approach. <i>Journal of Business Logistics</i> , 2016, 37, 364-381.	7.0	19
95	Reliable Supply Chain Network Design. <i>Decision Sciences</i> , 2016, 47, 661-698.	3.2	73
96	Scenario-based model predictive control for multi-echelon supply chain management. <i>European Journal of Operational Research</i> , 2016, 252, 540-549.	3.5	47
97	On Integral Policies in Deterministic and Stochastic Distribution Systems. <i>Operations Research</i> , 2017, 65, 703-711.	1.2	1
98	Dual Sourcing in a Serial System. <i>Production and Operations Management</i> , 2017, 26, 2163-2174.	2.1	8
99	Optimal Control and Value of Reverse Logistics in Supply Chains with Multiple Flows of Product. <i>SSRN Electronic Journal</i> , 2017, , .	0.4	1
100	A typology and literature review on stochastic multi-echelon inventory models. <i>European Journal of Operational Research</i> , 2018, 269, 955-983.	3.5	80
101	Two-echelon distribution systems with random demands and storage constraints. <i>Naval Research Logistics</i> , 2018, 65, 594-618.	1.4	6
102	A Strategic Framework for Multi-Echelon Inventory System Selection. , 2019, , .		2
103	Optimal inventory management using retail prepacks. <i>European Journal of Operational Research</i> , 2019, 274, 531-544.	3.5	14
104	When Variability Trumps Volatility: Optimal Control and Value of Reverse Logistics in Supply Chains with Multiple Flows of Product. <i>Manufacturing and Service Operations Management</i> , 2021, 23, 1175-1195.	2.3	4
105	A Survey of Recent Progress in the Asymptotic Analysis of Inventory Systems. <i>Production and Operations Management</i> , 2021, 30, 1718-1750.	2.1	22
106	Adaptive Algorithms for Multi-Warehouse Multi-Store Inventory System with Lost Sales and Fixed Replenishment Cost. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
107	From Just in Time Manufacturing to On-Demand Services. <i>Integrated Series on Information Systems</i> , 2007, , 1-37.	0.1	5
108	Global Supply Chain Models. , 2008, , 1434-1437.		1
109	Multi-Location Inventory Models for Retail Supply Chain Management. <i>Profiles in Operations Research</i> , 2008, , 207-235.	0.3	3

#	ARTICLE	IF	CITATIONS
110	Inventory Management: Information, Coordination, and Rationality. Profiles in Operations Research, 2011, , 321-365.	0.3	11
112	Optimal Use of Demand Information in Supply Chain Management. Profiles in Operations Research, 2002, , 119-160.	0.3	17
114	Multiple Criteria Rationing in Divergent Echelon Systems. Lecture Notes in Economics and Mathematical Systems, 1999, , 287-316.	0.3	1
115	Operations Research and Management Science Handbook. , 0, , .		24
116	Improving Service Levels through Reverse Factoring. SSRN Electronic Journal, 0, , .	0.4	2
117	Asymptotically Optimal Lagrangian Policies for One-Warehouse Multi-Store System with Lost Sales. SSRN Electronic Journal, 0, , .	0.4	1
119	Distribution Resource Planning Systems: A Critique and Enhancement. Profiles in Operations Research, 2003, , 37-68.	0.3	1
120	Overview of Chapters. Profiles in Operations Research, 2008, , 1-9.	0.3	0
121	Inventory Control. Operations Research Series, 2008, , 278-318.	0.0	0
122	Evolutionary Inventory Control for Multi-Echelon Systems. Studies in Computational Intelligence, 2011, , 329-356.	0.7	1
123	Analysis of Two-Echelon Perishable Inventory System with Direct and Retrial demands. IOSR Journal of Mathematics, 2014, 10, 51-57.	0.1	1
124	Stockless and Fast Production: Review and Research Agenda. , 1993, , 229-247.		0
125	Separate versus Joint Inventories when Customer Demands are Stochastic. , 1999, , 239-253.		0
126	The Concept of Coordination Strategies Models in Hierarchical Systems. International Journal of Engineering Research, 2014, 3, 683-687.	0.1	0
128	Asymptotically Optimal Lagrangian Policies for Multi-Warehouse, Multi-Store Systems with Lost Sales. Operations Research, 2022, 70, 141-159.	1.2	13
129	Analysis of Two-Echelon Inventory System with Direct and Retrial Demands. Advances in Logistics, Operations, and Management Science Book Series, 0, , 165-182.	0.3	0
130	Global Supply Chain Models. , 2001, , 890-893.		1
131	Sourcing with Demand Updates. SSRN Electronic Journal, 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
132	Managing Downstream Competition via Capacity Allocation in Symmetric Market. Uncertainty and Operations Research, 2022, , 11-49.	0.1	0
133	Evaluation and control of inventory distribution systems with quantity based shipment consolidation. Naval Research Logistics, 2023, 70, 205-227.	1.4	7
135	Exact analysis of One-Warehouse-Multiple-Retailer inventory systems with quantity restricted deliveries. European Journal of Operational Research, 2023, 309, 1161-1172.	3.5	1