

Contents

About the author viii

Preface xiii

Publisher's acknowledgements xiv

1 Logistics, the supply chain and competitive strategy 1

Supply chain management is a wider concept than logistics 2

Competitive advantage 4

The supply chain becomes the value chain 10

The mission of logistics management 11

The supply chain and competitive performance 13

The changing competitive environment 14

2 Delivering customer value 27

The marketing and logistics interface 28

Delivering customer value 29

What is customer service? 31

The impact of out-of-stock 33

Customer service and customer retention 36

Market-driven supply chains 39

Defining customer service objectives 43

Setting customer service priorities 47

Setting service standards 51

3 Going to market 57

Distribution channels are value delivery systems 58

Innovation in the distribution channel 61

The omni-channel revolution 64

Omni-channel retailing 66

4 Measuring logistics costs and performance 69

Logistics and the bottom line 70

Logistics and shareholder value 73

Logistics cost analysis 78

The concept of total cost analysis 79

Understanding the cost-to-serve 82

Customer profitability analysis 84

Direct product profitability 90

Cost drivers and activity-based costing 91

5	Matching supply and demand	95
	The lead-time gap	95
	Improving visibility of demand	97
	The supply chain fulcrum	99
	Forecast for capacity, execute against demand	101
	Demand management and planning	101
	Collaborative planning, forecasting and replenishment	106
6	Creating the responsive supply chain	111
	Using the volume/variability matrix	115
	Product 'push' versus demand 'pull'	117
	The Japanese philosophy	122
	The agile supply chain	123
	The foundations of agility	126
	A routemap to responsiveness	130
7	Strategic lead-time management	135
	Time-based competition	135
	The concept of lead-time	139
	Logistics pipeline management	143
	Reducing logistics lead-time	147
8	The synchronous supply chain	155
	The extended enterprise and the virtual supply chain	156
	The role of information in the virtual supply chain	158
	Laying the foundations for synchronisation	161
	'Quick response' logistics	163
	Production strategies for QR	166
	Logistics systems dynamics	167
9	Complexity and the supply chain	173
	The sources of supply chain complexity	174
	The cost of complexity	180
	Product design and supply chain complexity	180
	Mastering complexity	181
10	Managing the global pipeline	185
	The trend towards globalisation in the supply chain	187
	Gaining visibility in the global pipeline	192
	Financing global supply chains	194
	Organising for global logistics	194
	Thinking global, acting local	199
	The future of global sourcing	200

11	Service logistics	203
	What is a service?	203
	Buying performance	204
	The service dominant logic	205
	The trend to 'servitisation'	205
	Implications of servitisation for logistics	207
	The critical role of capacity	207
	Service supply chain processes	210
	Managing the service supply chain	212
12	Managing risk in the supply chain	215
	Why are supply chains more vulnerable?	216
	Understanding the supply chain risk profile	219
	Managing supply chain risk	224
	Achieving supply chain resilience	232
13	The era of network competition	237
	The new organisational paradigm	238
	Collaboration and trust in the supply chain	240
	Reducing costs through collaborative working	243
	'Co-opetition' – co-operating with competitors	245
	Managing the supply chain as a network	246
	Supply chain orchestration	247
	From 3PL to 4PL™	249
	The last word	250
14	Overcoming the barriers to supply chain integration	253
	Creating the logistics vision	254
	The problems with conventional organisations	254
	Developing the logistics organisation	258
	Logistics as the vehicle for change	262
	Benchmarking	263
15	Creating a sustainable supply chain	269
	The triple bottom line	269
	Greenhouse gases and the supply chain	271
	Reducing the transport-intensity of supply chains	273
	Beyond the carbon footprint	274
	Reduce, re-use, re-cycle	277
	The impact of congestion	279

16	The supply chain of the future	283
	Emerging mega-trends	284
	Shifting centres of gravity	285
	Supply chain governance and compliance	286
	The need for adaptability	287
	Seeking structural flexibility	288
	2020 vision	291
	Waste in the supply chain	291
	The New Industrial Revolution	292
	Seven major business transformations	294
	The implications for tomorrow's logistics managers	296
	Index	301