

Principles, Strategies, and Decisions for the Effective Flow of Goods and Services

Council of Supply Chain Management Professionals and

Thomas J. Goldsby • Deepak lyengar Shashank Rao

THE DEFINITIVE GUIDE TO TRANSPORTATION

Definitive Guide to Transportation, The: Principles, Strategies, and Decisions for the Effective Flow of Goods and Services

Table of Contents

CONTENTS

Section 1 Transportation: The Basics

Chapter 1 Transportation in Business and the Economy

Transportation and Logistics

Transportation and the Supply Chain

Transportation and the Economy

Transportation, Society, and the Environment

Summary

Endnotes

Chapter 2 A Survey of Transportation Modes

An Overview of the Modes

The Five Modes of Transportation

Intermodal Transportation

Summary

Endnotes

Chapter 3 The Economics of Transportation

Accounting Costs and Economic Costs

Fixed Costs and Variable Costs

Carrier Cost Metrics

Carrier Pricing and Costs for Shippers

Expressions of Transportation Rates



Table of Contents

Additional Services and Fees

Summary

Endnotes

Chapter 4 The Transportation Services Market

Private Transportation

Outsourcing Transportation

Summary

Endnotes

Section 2 Transportation for Managers

Chapter 5 An Overview of Transportation Management

Transportation Management Decision Making

Network Design

Lane Analysis

Mode and Carrier Selection

Service Negotiations

Service Evaluation

Dock- and Movement-Level Decisions

Transportation Documentation

Summary

Endnotes

Chapter 6 Transportation Technologies

Understanding the Need for Technology: The Bullwhip Effect

Technology Architecture

Electronic Data Interchange (EDI)

Transportation Management System (TMS)

Routing and Scheduling (R&S) Systems

Automatic Identification

Control and Monitoring Systems

Summary



Table of Contents

Endnote

For Further Reading

Chapter 7 Transportations Role in Logistics and Supply Chain Strategy

Lean Logistics

Shared Transportation Resources

Merge-in-Transit (MIT)

Vendor-Managed Inventory (VMI)

Collaborative Planning, Forecasting, and Replenishment (CPFR)

Collaborative Transportation Management (CTM)

Summary

Endnotes

Chapter 8 Transportation and Global Supply Chains

Need for Global Supply Chains

International Modes of Transportation

Enablers and Key Players in Transporting Goods to Global Supply Chains

Incoterms

Key Documents Used in Enabling Transportation for Global Supply Chains

Summary

Endnotes

Chapter 9 Transportation and Sustainability

Transportations Role in Sustainable Supply Chain Management

Triple Bottom Line (TBL)

Potential Solutions to Make Transportation More Sustainable

Summary

Endnotes

Section 3 Transportation in 2013 and Beyond



Table of Contents

Chapter 10 The Future of Transportation

Changes Affecting Consumer Shopping Behavior

Changes in Technology

Geopolitical, Legislative, and Societal Changes

Summary

Endnotes

For Further Reading

Index

