

CHAPTER TEN

Supply Management

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Where We Are Now						
Chapter	Relationships	Sustainability	Globalization	Organizational Culture/Ethics	Change Management	Measurement
Part 1 Supply Chain: A perspective for Operations Management						Ī
1. Introduction to Managing Operations Across the Supply Chain	Х	Х	Х			
2. Operations and Supply Chain Strategy	Х	Х	Х	Χ	Χ	Х
Part 2 Foundations of Operations Management						
3. Managing Processes and Capabilities	Х					Х
4. Product/Process Innovation	Х	Х	Х		Χ	
5. Manufacturing and Service Process Structures	Χ		Χ	Χ		Χ
6. Managing Quality	Х	Х	Х	Χ	Χ	Х
7. Understanding Inventory Fundamentals	Χ		Χ			Х
8 Lean Systems	Χ		Х	Χ	Χ	Х
Part 3 Integrating Relationships Across the Supply Chain						
9. Customer Management	Х					Χ
10. Supply Management	Х	Х	Х	Х		Х
11. Logistics Management	Х	Χ	Х			
Part 4 Planning of integrated Operations Across the Supply chain	Χ					
12. Demand Planning: Forecasting and Demand Management	Х		Х			Х
13. Sales and Operations Planning	Х		Х			Χ
14. Independent Demand Inventory Planning	Х					Х
15. Materials and Resource Requirements Planning	Х		Х			Χ
Part 5 Managing Change in Supply Chain Operations						
16. Project Management	Х	Х	Х	Х	Х	Х
17. Evolving Business Models and Change Drivers in the Supply Chain	Х	Χ	Х	Χ	Χ	

Learning Objectives

- 1. Define supply management and its importance
- 2. Understand how cost, risk and globalization impact supply management
- 3. Analyze and make in/outsourcing decisions
- 4. Explain steps of strategic sourcing
- 5. Describe types of suppler relationships
- 6. Explain when to use various sourcing options
- 7. Understand how to manage supplier relationships

10-3

Supply Management

- **Supply Management**: identification, acquisition and management of inputs and supplier relationships
- Also called purchasing or procurement

Effective Supply Management

- A firm's strategic objectives are better met when effective supply management:
 - -Ensures timely availability of resources
 - –Reduces total cost (not just purchase price)
 - -Enhances quality
 - -Enables access to technology and innovations
 - -Fosters social responsibility

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Effective Supply Management

- Supply Risk: probability of an unplanned, event that negatively affects a firm
 - Delays and disruptions
 - Thefts of intellectual property
 - Price increases
 - Product safety problems

Effective Supply Management

- Total Cost of Ownership (TCO): sum of costs incurred before, during and after a purchase
 - Before: costs of finding, assessing and selecting a supplier
 - -During: costs of buying and receiving items
 - After: costs and risks of storing and owning items including those incurred after sale to customers

10-7

Activity

- Think of some of the total costs of ownership for the following items:
 - -Car or bicycle
 - -iPod or other music device
 - -Textbook



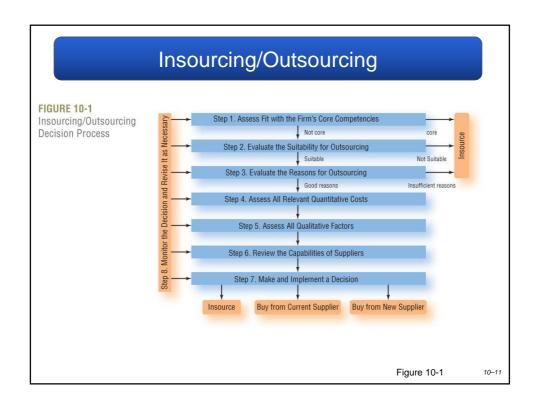
Effective Supply Management

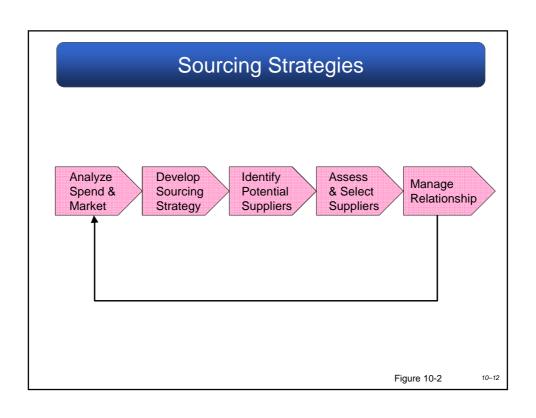
- Social Responsibility: behaviors that benefit related communities
 - -Add value to communities
 - -Increase social diversity
 - -Environmental responsibility
 - -Ethical behavior
 - -Financial responsibility
 - -Respect human rights
 - -Safe working environment
 - -Others?

10–9

Insourcing/Outsourcing

- Insourcing: inputs from within the firm
- Outsourcing: inputs from outside the firm
- Make or Buy Decision: choosing between insourcing or outsourcing







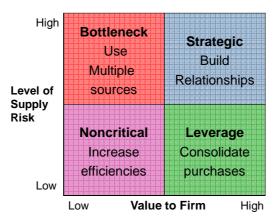


Figure 10-3

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Sourcing Strategies

- Supply Base Optimization: number of suppliers to use
 - Too few increases shortage and price risks, innovation may be limited
 - Too many increases complexity and makes supply management difficult

Sourcing Strategies

- Capabilities and location are important:
 - Proximity impacts ease of communication, transportation costs and community perceptions
 - -Consideration of trade barriers and incentives
 - -Global presence may impact access to markets

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Supplier Relationships **Transaction-Oriented** Collaborative Adversarial Arm's-length Acceptance of mutual goals **Partnership** • Maintain independence Mutual dependence Focus on price Focus on total cost Short-term Long-term Hoard information Share information Buyer-seller relations Cross-functional relations Self-interest Share risk/reward Figure 10-4

Assess and Select Suppliers

- Competitive bidding: price is most important factor, specifications are clear, high value, several equally qualified sources
 - Request for Proposal (RFP) or Quote (RFQ): describes what customer wants; supplier responds with cost and other data for consideration

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Assess and Select Suppliers

 Weighted Point Model: establishes performance categories that are weighted by importance

Category

Quality

Delivery

Price

Weighted Score

Table 10-2

Activity

Assume you need a new place to live or are considering several job offers:

- Use a weighted point model to assist in the decision making process.
 - -What criteria are important to you?
 - -How important is each criteria?
 - -How will you break a tie score?



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Assess and Select Suppliers

- Online Reverse Auctions: suppliers bid in real time for buyer's business
 - -Supplier can make multiple bids
 - -Usually price focused
- Negotiation: bargaining process of planning, reviewing, analyzing, compromising to reach agreement

Managing Supplier Relationships

- Information sharing: buyers and suppliers need to share timely data about demand, supply and delivery
 - Electronic Data Interchange (EDI): structured, secure mode of transmitting data



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Managing Supplier Relationships

- Supplier Scorecard: track and report supplier performance in key areas
- Supplier Certification: assessment of supplier's ability to meet buyer's needs
- Supplier Relationship Management (SRM): technology enabled data gathering about suppliers to manage strategic relationships

Supplier Management Summary

- 1. Effective supply management improves performance
- 2. In/Outsourcing requires both quantitative and qualitative analysis
- 3. Strategic sourcing finds and manages suppliers that meet the firm's strategic objectives
- 4. Relationships with suppliers vary based on cost and risk
- 5. Suppliers are selected using online auctions, competitive bidding, or negotiation
- 6. Supplier relationship management involves communication and coordination