

Chapter Objectives

Be able to:

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infrastructural elements.

- Explain the relationship between business strategies and functional strategies and the difference between structural and infrastructural elements of the business.
- Describe the main operations and supply chain decision categories.
- . Explain the concept of customer value and calculate a value index score.
- . Differentiate between order winners and qualifiers and explain why this difference is important to developing the operations and supply chain strategy for a firm.
- Discuss the concept of trade-offs and give an example.
- Define core competencies and give an example of how core competencies in the . operations and supply chain areas can be used for competitive advantage.
- Explain the importance of strategic alignment and describe the four stages of alignment between the operations and supply chain strategy and the business strategy.

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Definitions Strategies - The mechanisms by which businesses coordinate their decisions regarding their structural and

Mission Statement - Explains why an organization exists and what is important to the organization (its core values) and identifies the organization's domain.

2 - 4

1



Operations and Supply Chain Strategies

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The operations and supply chain strategy is a functional strategy that indicates how the structural and infrastructural elements within the operations and supply chain areas will be acquired and developed to support the overall business strategy.

- What mix of structural and infrastructural elements ?
- Is the mix aligned with the business strategy?
- Does it support the development of core competencies?

2 - 7

Functional Strategy

 Translates the business strategy into <u>functional</u> terms.

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- Assures <u>coordination</u> with other areas.
- Provides <u>direction</u> and <u>guidance</u> for operations and supply chain decisions.

2 - 8





Sourcing/Purchasing

 Sourcing strategies, Supplier selection, Supplier performance measurement

Planning and Control

 Forecasting, Tactical planning, Inventory management, Production planning and control

Business Processes and Quality Management

Six Sigma, Continuous improvement, Statistical process control

Product and service development

• The developmental process, Organizational and supplier roles

2 - 11



Customer Value

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- Value Analysis A process for assessing the value of a product or service.
- Value Index A measure that uses the performance and importance scores for various dimensions of performance for an item or a service to calculate a score that indicates the overall value of an item or a service to a customer.

2 - 12



Inresnola score = 720
Performance Importance Score Valu Criterion (A) (B) (A x
Market potential 30 6
Unit profit margin 20 10
Operations compatibility 20 6
Competitive advantage 15 10
Investment requirement 10 3
Project risk 5 4

2 Introduce new product? Threshold score = 720				
Market potential	30	6	180	
Unit profit margin	20	10	200	
Operations compatibility	20	6	120	
Competitive advantage	15	10	150	
Investment requirement	10	3	30	
Project risk	5	4	20	
	Value	e Index =	700	
Not at this ti	me!			
			2 - 1	



Four Performance Dimensions

Time

2

- Delivery Speed The ability for the operations or supply chain function to quickly fulfill a need once it has been identified.
- Delivery Reliability The ability to deliver products or services when promised.

2 - 19



2 Four Performance Dimensions

Flexibility

- Mix Flexibility The ability to produce a wide range of products or services.
- Changeover Flexibility The ability to produce a new product with minimal delay.
- Volume Flexibility The ability to produce whatever volume the customer needs.



















2 - 30

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