





Operation Model for Supply Chain Performance Transformation: *What does "good" look like?*

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Presentation Contents

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 - Supply Chain
 - Performance Transformation
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Definitions:

Supply Chain and Performance Transformation



Supply Chain Management

For management, means "the science of managing all the value creation processes that involve procuring, producing and delivering of products and services from the suppliers to the end-customers"

For information technology, means "a <u>set of planning and</u> <u>execution applications</u> that provide integration and collaboration of supplier's, manufacturer's and distributor's processes into a cohesive, streamlining process.



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Supply Chain Key Implications

1. Supply chain management is the <u>core competency</u> of modern enterprises:

- How value-added activities are driven and created.
- How competitiveness is defined and executed.
- How capabilities are built and sustained.
- 2. Supply chain covers the <u>end-to-end processes</u>: from buying to producing to distributing of goods and services within and external to the enterprise operation domain.
- 3. Supply chain implements strategies by making and turning them into process executions and routine works across the enterprise operations.



Performance Transformation

- The <u>fundamental change to the</u> <u>way a business operates</u>, whether for moving into a new market or for improving operation capabilities.
- It is an attempt to align and organization activities relating to people, process and technology <u>more closely with its business</u> <u>strategy and vision</u>.
- The change is aimed to meet long term objectives"

Types of Transformation:

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- **1.** Reorientation
- 2. Revitalization
- 3. Recreation

Required Capabilities:

- 1. Acquisitive capabilities
- 2. **Operative capabilities**
- 3. Adaptive capabilities
- 4. Innovative capabilities





The need for an operation model: What does a good operation model look like?



Fundamental Improvements needs a Supply Chain Operation Model



Improved efficiency by xx%						
Improved customer service by xx%						
For	For					
Current State	Future State					
Can we define how	What are the					
robust are our SC	capabilities each					
processes?	process needs?					
What are the performance gaps or shortfalls?	How can we measure strategic performance?					
What are the	What best practices					
process capabilities	or solutions do we					
we need?	need to enable?					
How to monitor	How to set					
end-to-end SC	consistent SC					
performance?	measurements?					



Characteristics of Supply Chain Operation Model

- Cover supply chain from end-to-end
- Prescribe process definitions and standards
- Define efficient process flows
- Define process relationships
- Define process performance and attributes
- Link and drive process performance to strategies



 Align performance targets across SC processes and operation domains

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- Define process measurements to targets
- Link process measurements at multi-levels
- Prescribe best practices and referable solutions
- Facilitate performance benchmarking



Supply Chain Council's:

Supply Chain Operation Reference Model - SCOR



Supply Chain Operation Reference Model - SCOR -



SCOR Background

- 1. SCOR model is developed by the Supply Chain Council since 1996, initially by 69 practitioner companies, now with over 1,000 members.
- 2. Supply Chain Council is an independent, not-for-profit organization.
- 3. The focus is on research, application and advancement of state-of-the-art SCM system and practices.
- 4. Now in version 11.0, SCOR is developed as a <u>cross</u> <u>industry standards</u> for SCM, and as <u>re-engineering</u> and <u>benchmarking</u> tools with <u>best practices</u> and latest <u>solutions</u> for SC performance improvement.
- 5. Ref. website www.supply-chain.org

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SCOR defines SC into 5 Process Categories and 20 Process Types



1) Ref. Standard Process Types and Elements



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2) Ref. <u>Process Terms, Attributes, Metrics</u> <u>and Best Practices</u>



3) Ref. Process Inputs and Outputs Definitions

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	Input/Output	Definition	Process	
	Order Backlog	Orders that have been received and entered into the order processing system and are in a queue waiting to be processed and shipped.	P4.1: Identity, Prioritize and Aggregate Delivery Requirements D2.3: Reserve Inventory and Determine Delivery Date P1.1: Identify, Prioritize and Aggregate SC Requirements D1.11: Load Vehicle & Generate Shipping Docs D1.3: Reserve Inventory and Determine Delivery Date D3.3: Enter Order, Commit Resources Launch Program	
	Order Information	The function encompasses receiving and entering all data necessary on orders, so the order can be finalized and entered into the order system.	D3.3: Enter Order, Commit Resources Launch Program M3.1: Finalize Production Engineering	
	Order Quote (CUSTOMER)	A statement of price, terms of sale, and description of goods or services offered by a supplier to a prospective purchaser; a bid. When given in response to an inquiry, it is usually considered an offer to sell.	D2.1: Process Inquiry and Quote D2.2: Receive, Configure, Enter and Validate Order	
	Order Rules	Rules for the function that encompasses receiving, entering, and promising orders from customers, distribution centers, and interplant operations.	ED.4: Manage Finished Goods Inventories D2.2: Receive, Configure, Enter and Validate Order D1.2: Receive, Enter and Validate Order D3.2: Negotiate and Receive Contract	
AIT Tec			ED.1: Manage Deliver Business Rules 5D.5: Manage Deliver Capital Assets	1

4) Ref. <u>Key Performance Attributes</u> for SC Performance

		Performance Attributes					
		Customer-Facing			Internal-Facing		
	Level 1 Metrics	Reliabilty	Responsiveness	Flexibility	Cost	Assets	
	Perfect Order Fulfillment	~					
	Order Fulfillment Cycle Time		~				
	Upside Supply Chain Flexibility			~			
	Upside Supply Chain Adaptability			~			
	Downside Supply Chain Adaptability			~			
	Supply Chain Management Cost				~		
	Cost of Goods Sold				~		
	Cash-to-Cash Cycle Time					~	
	Return on Supply Chain Fixed Assets					~	



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5) Ref. <u>Performance Alignment</u> with Multi-level Metrics

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SCOR and Global Enterprises





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Thank You



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