



Multi-Lateral Logistics Seminar



Supply Chain Management

“What ISN’T supply chain management?”

Facilitator: George Topic



Supply Chain Management



- Agenda for this session
 - Introduction—theoretical/academic precepts
 - Military vs Commercial Supply Chains—and others
 - Supply Chain Management in Africa
 - Questions and issues for Logistics Leaders (and non-logisticians)

Supply Chain Terms/Concepts

- EOQ?
- Cost of Capital/Cost of Inventory
- Visibility/Information
- Distribution: Speed vs Inventory
- History...1982/Industrial engineering roots/ Growth as a “discipline”
- Risk Management
- SCM Where to look but not how to decide—Logic
- Relationships

More SCM concepts

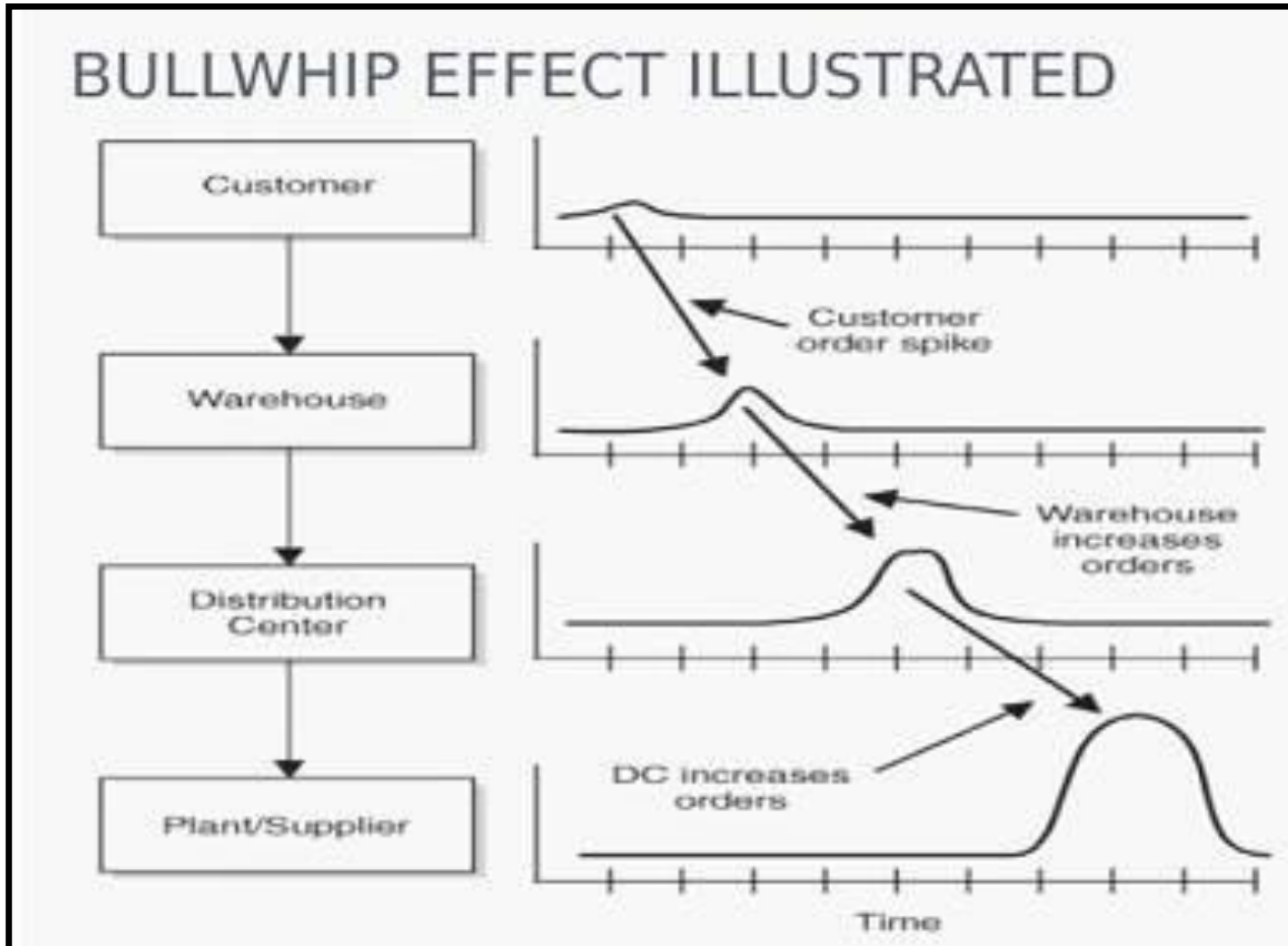
- Just in time, agility, lean six sigma
- Kanban, Kaizen Kereitsu, etc
- EDI/ERP/vertical Integration
- QA/QC
- The Beer Game/Bullwhip Effect
- Supply Chain Operations Reference Model
- References
- Everything you need to know...

Military vs Commercial Supply Chains

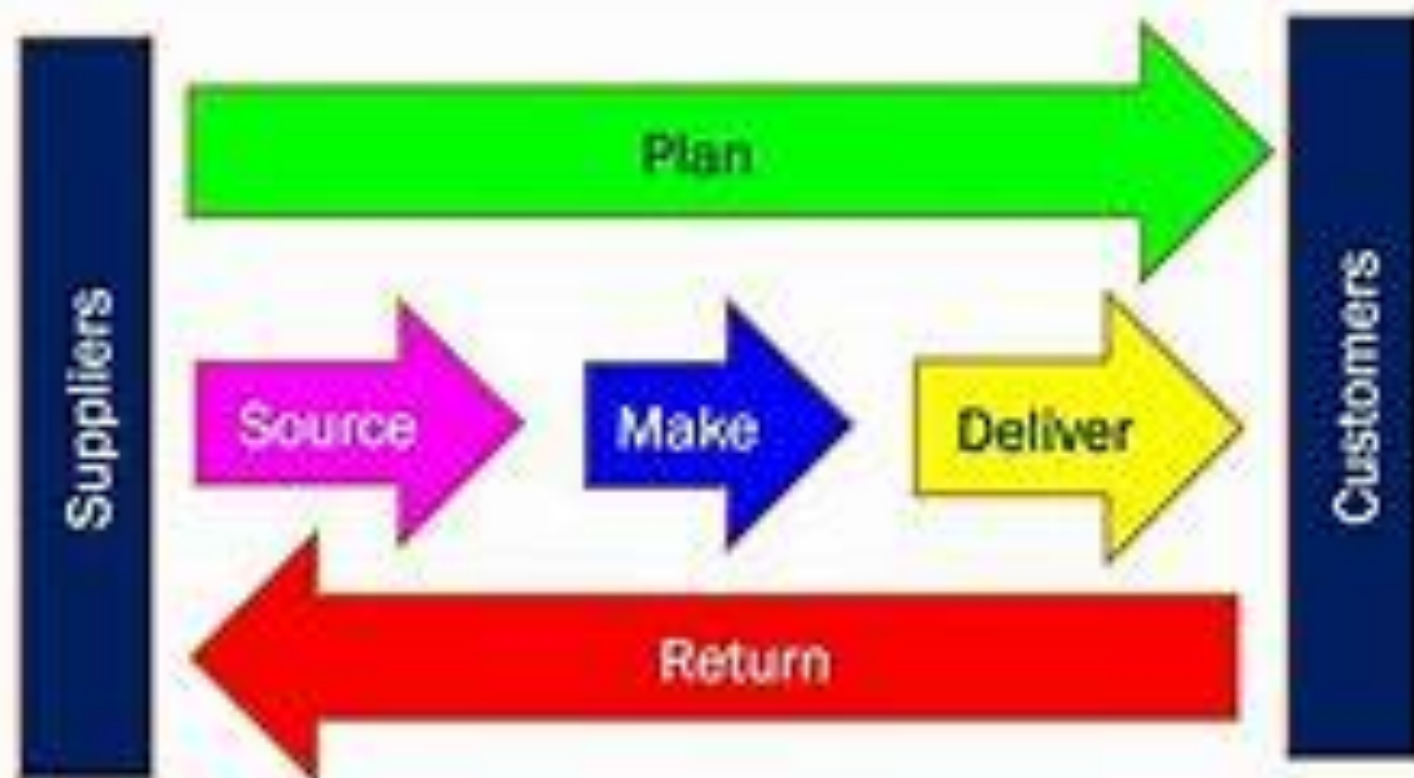
- Demand
- Where are your customers?
- Size/diversity
- Stock out implications
- Communications
- Supply chain disruption
- HADR



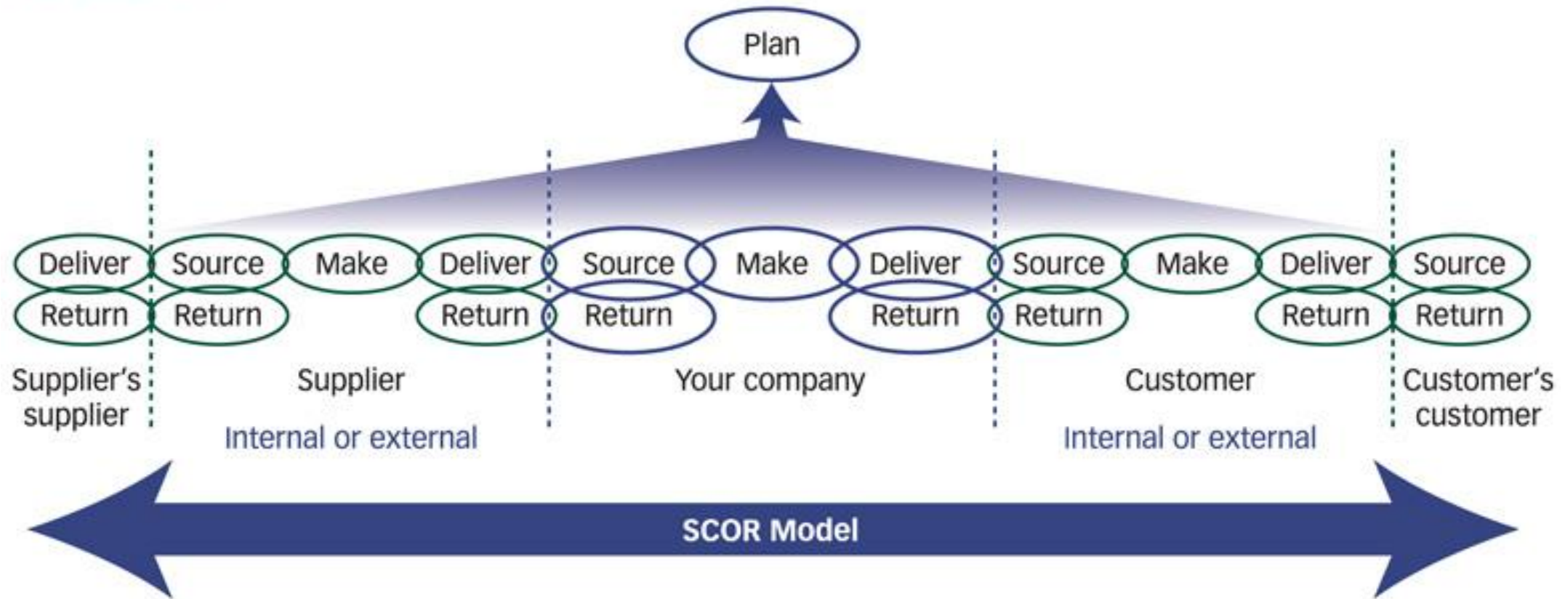
Supply Chain Management



SCOR Model Process Building Blocks

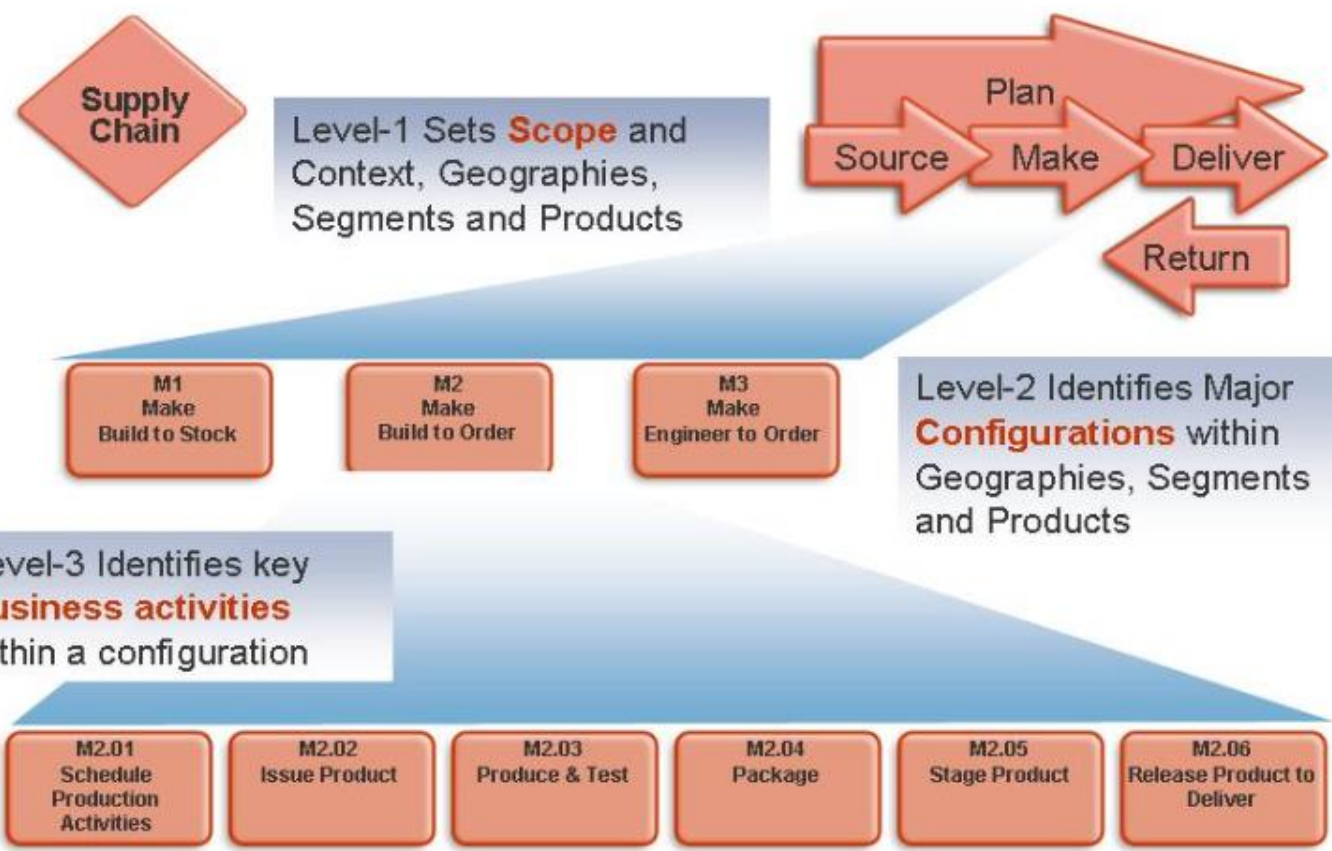


[FIGURE 1] THE SCOR FRAMEWORK



[SOURCE: SUPPLY-CHAIN COUNCIL INC. COPYRIGHT 2006. USED WITH PERMISSION.]

SCOR Framework Levels



SCOR Metrics



Performance Attribute	Performance Attribute Definition	Level 1 Metric
Supply Chain Reliability	The performance of the supply chain in delivering: the correct product, to the correct place, at the correct time, in the correct condition and packaging, in the correct quantity, with the correct documentation, to the correct customer.	Perfect Order Fulfillment
Supply Chain Responsiveness	The speed at which a supply chain provides products to the customer.	Order Fulfillment Cycle Time
Supply Chain Flexibility	The agility of a supply chain in responding to marketplace changes to gain or maintain competitive advantage.	Upside Supply Chain Flexibility
		Upside Supply Chain Adaptability
		Downside Supply Chain Adaptability
Supply Chain Costs	The costs associated with operating the supply chain.	Supply Chain Management Cost
		Cost of Goods Sold
Supply Chain Asset Management	The effectiveness of an organization in managing assets to support demand satisfaction. This includes the management of all assets: fixed and working capital.	Cash-to-Cash Cycle Time
		Return on Supply Chain Fixed Assets
		Return on Working Capital



Supply Chain Issues

- Globalization/Global Corporations/partnerships/enterprise
- Information/communication/cyber issues
- Counterfeit materiel
- Corruption
- Outsourcing/Partnering
- Resilience

SCM: Everything you need to know

Doug Lambert and Martha Cooper

- Planning and Control
- Work Structure
- Organization Structure
- Product Flow Facility Structure
- Info flow Facility Structure
- Management Efforts
- Power and Leadership Structure
- Risk and Reward Structures
- Culture and Attitude

Training/Education/Development

- When to start/how to start
- Massive On line open courses (MOOCs)
- Military Schools
- Civilian Programs (Local and international)
- Exercises-
- Related disciplines