




SCMC SLIDEBOOK


10 Modules






Module-01: Introduction to Supply Chain Management

Supply Chain MasterClass - Based on IMBoK v3.0 from Fhysics Business Consultants Pvt. Ltd.



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M1 INTRODUCTION TO SCM



SUPPLY CHAIN MANAGEMENT

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AGENDA

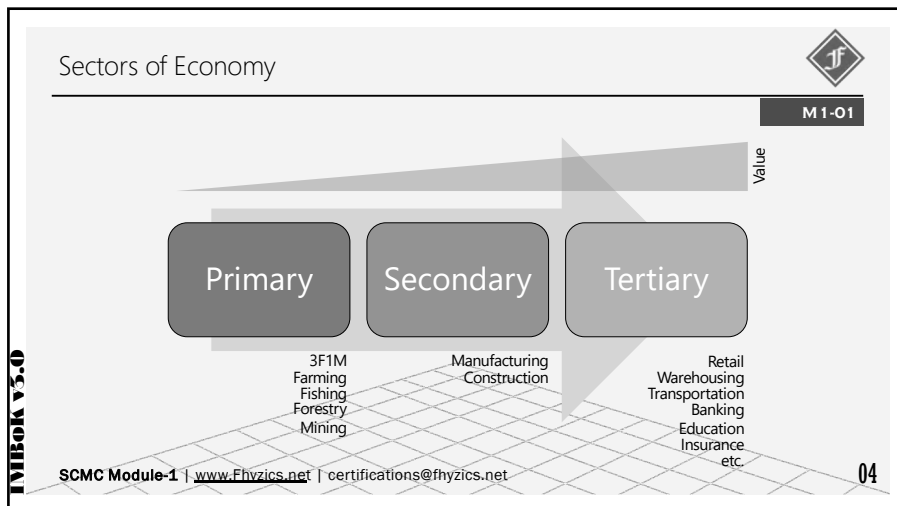
M1-01: Sectors of Economy
M1-02: Business Environment
M1-03: Define Supply Chain
M1-04: Supply Chain Stakeholders
M1-05: Factors Responsible for the Pressure on Supply Chain
M1-06: The Three Dimensions of Inventory
M1-07: Evolution of Supply Chain
M1-08: The 20 Key Supply Chain Processes
M1-09: Conformance and Performance Specifications
M1-10: Conflicting Objectives of Stakeholders

M1-11: Supply Chain Objectives
M1-12: Manufacturing Strategy
M1-13: Manufacturing Planning and Control
M1-14: Supply Chain Metrics
M1-15: Introduction to Financial Statements
M1-16: Accounting Equation, Balance Sheet, Income Statement and Cash-Flow Statement
M1-17: Three Entities and Four Flows
M1-18: The Three Levels of Supply Chain
M1-19: Physical Supply and Physical Distribution
M1-20: Enterprise Inventory Policy

IMBOK v3.0

03

3



Sectors of Economy

M1-01

Value

Primary
3F1M
Farming
Fishing
Forestry
Mining

Secondary
Manufacturing
Construction

Tertiary
Retail
Warehousing
Transportation
Banking
Education
Insurance
etc.

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04

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Business Environment

M 1-02

The diagram shows five rectangular boxes arranged in two rows. The top row contains three boxes labeled 'Government', 'Economy', and 'Competition'. The bottom row contains two boxes labeled 'Customers' and 'Quality'. The boxes are connected by a grid pattern that recedes into the distance, suggesting a perspective view.

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IVBOK v2.0

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Define Supply Chain

M 1-03

Supply chain is a complex, global network of people, processes and systems with a mission to source, store, transform and transport materials and to deliver the finished goods to the consumers.

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IVBOK v3.0

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Supply Chain Stakeholders

Stakeholders are the people either affecting a process or affected by a process.

External

Internal

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IFBOK v3.0

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Factors Responsible for the Pressure on Supply Chain

Globalisation

Customers

V&V

Competition

Governments

Resources

Technology

Business Model

Environmental

Social

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08

IFBOK v3.0

8

The Three Dimensions of Inventory

Types of Inventory
Raw materials
Work-In-Process
Finished Goods
Distribution Inventory
MRO

Functions of Inventory
Safety Stock
Cycle Stock
Buffer Inventory
Hedge Inventory
Decoupling Inventory
Anticipation Inventory

Nature of Demand
Dependent
Independent

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09

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Evolution of Supply Chain

1.0
• 1760
• Steam

2.0
• 1840
• Technology

3.0
• 1970
• IT

4.0
• 2011
• IoT, AI etc.

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The 20 Key Supply Chain Processes

Supply Chain Processes

Planning	Distributing
Sourcing	Returning
Negotiating	Bonding
Contracting	Securing
Purchasing	Analysing
Transporting	Measuring
Transforming	Improving
Replenishing	Disposing
Fulfilment	Compliance
Storing	Financing

Processes Analysis

- What is a process?
- Process overview
- Process boundaries
- Activities and Tasks associated with the process
- SIPOC diagram
- Values delivered by the process
- Key parameters

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Conformance and Performance Specifications

TSD

RSD

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Conflicting Objectives of Stakeholders

M 1-10

Customer Service

Production Costs

Inventory Investment

Distribution Costs

Profit

M

P

F

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Supply Chain Objectives

M 1-11

- Right Product
- Right Quantity
- Right Quality
- Right Customer
- Right Time
- Right Place
- Right Price
- Right Process
- Right Documentation
- Right Packing
- Right Packaging
- Right Closure

12Rs

Customer Satisfaction

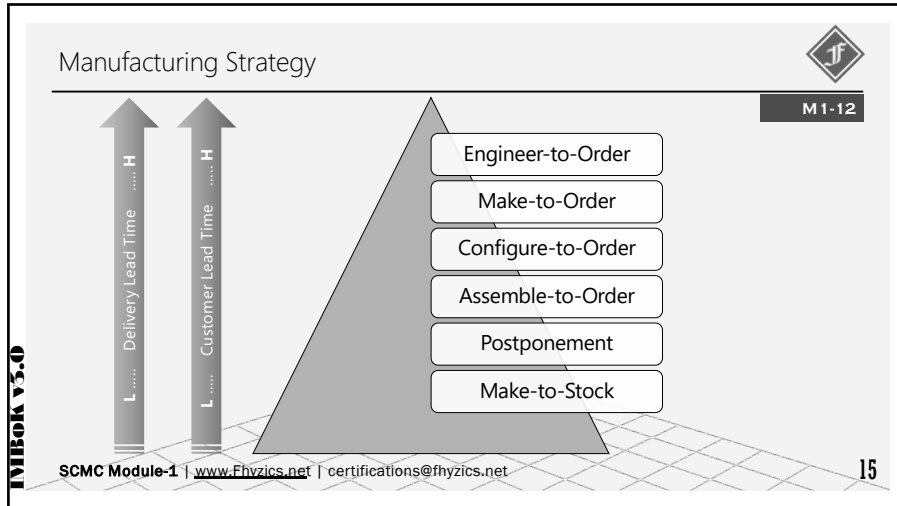
Supply Chain Cost

Compliance

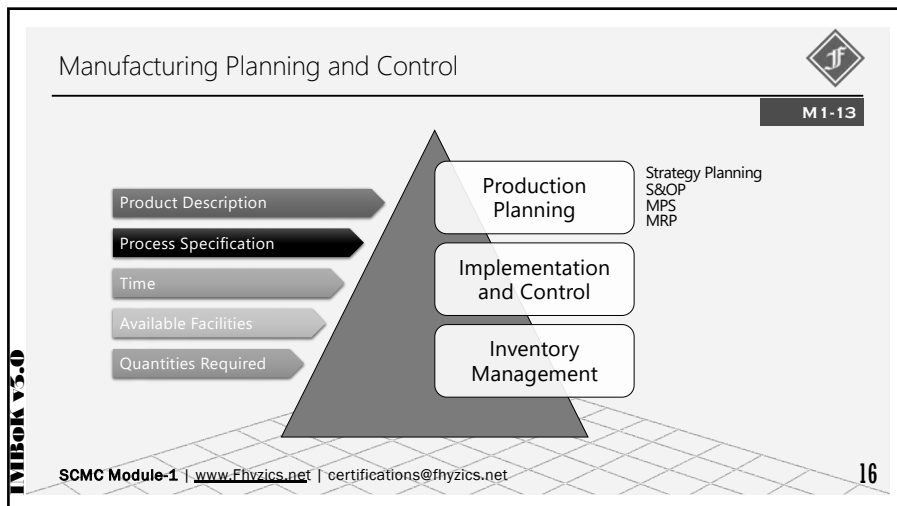
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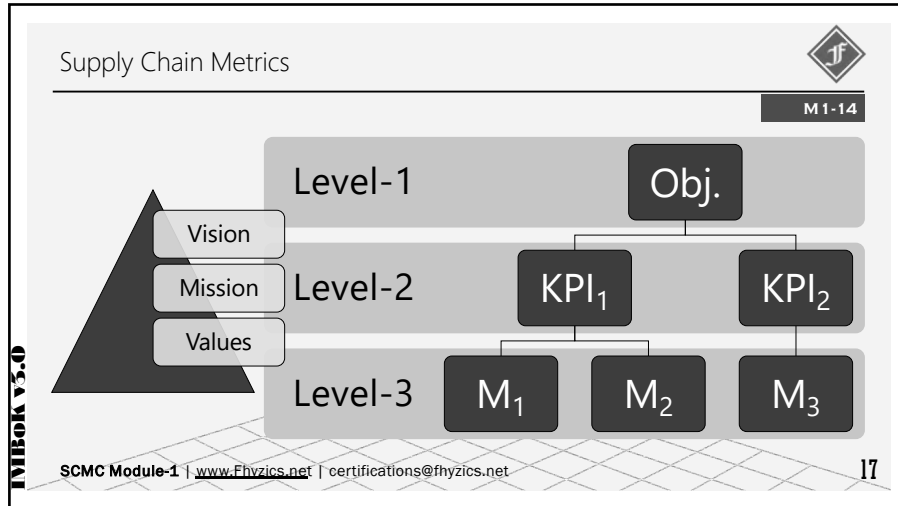
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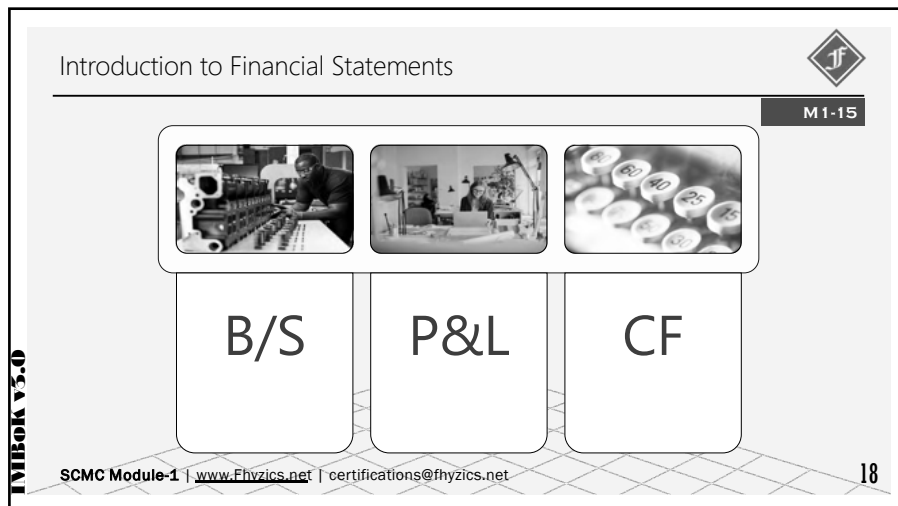
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Accounting Equation, Balance Sheet, Income Statement and Cash-Flow Statement

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M 1-16

The diagram shows three circles on the left. Two smaller circles labeled 'L' and 'E' are stacked vertically with a plus sign between them. An arrow points from this stack to a larger circle labeled 'A' on the right.

Assets	Liabilities
Current Asset	Liabilities towards Others
Fixed Asset	Owner's Equity

Revenue
COGS
Gross Profit

Profit
Adjustments
Cash on Hand

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Three Entities and Four Flows

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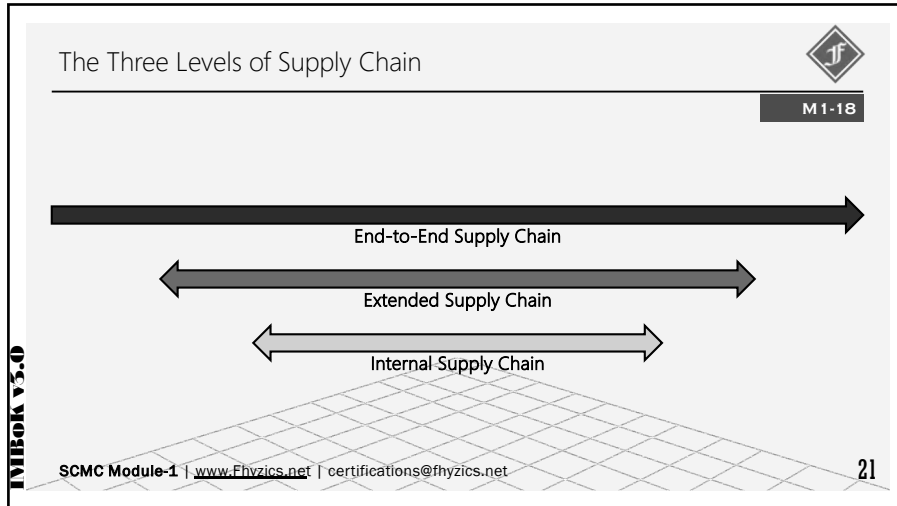
M 1-17

The diagram illustrates the flow between three entities: Supplier, M (Manufacturer), and Customer. A dashed box encloses 'Physical Supply' and 'Physical Distribution' with 'M' in a diamond between them. Four horizontal arrows represent different types of flows: Product Flow (top, rightward), Cash Flow (second from top, leftward), Information Flow (third from top, rightward), and Reverse Product Flow (bottom, leftward).

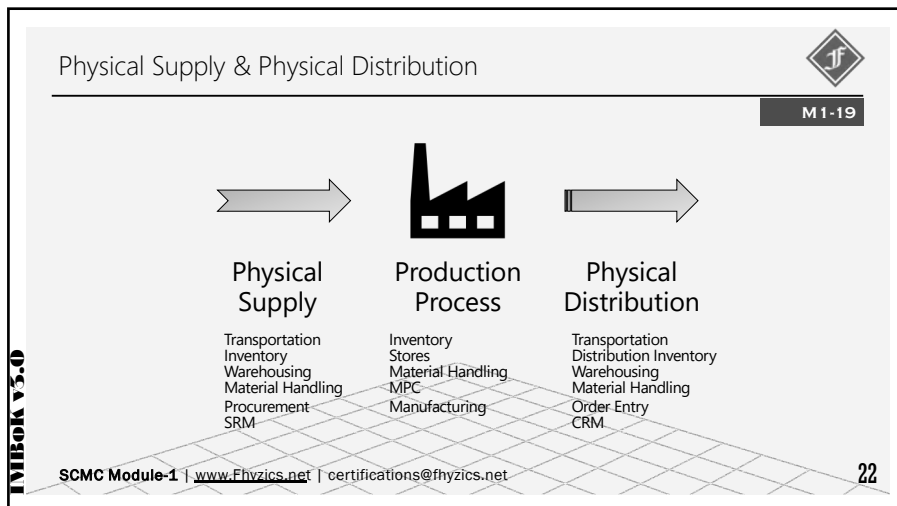
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Enterprise Inventory Policy 


M1-20


EIP is a constitution for an organization on all matters pertaining to inventory. EIP shall be in alignment with Corporate and Supply Chain Strategy. All Standard Operating Procedures (SOPs) that impact inventory processes shall emanate from EIP.

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Questions & Answers 



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IYBOK v5.0



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Phone : +91-900-304-9000