

# **CLTD On-Demand Training** for Self-Study Professionals

Are you preparing for the CLTD certification through self-study? As an experienced supply chain professional, you already have strong practical knowledge—but some topics may still need expert clarification. Fhyzics Business Consultants bridges that gap with on-demand, topic-oriented CLTD training sessions designed specifically for self-learners.

Whether you need guidance on a single concept or an entire module, our focused training helps you master complex areas quickly and confidently. Get personalized support, strengthen your exam readiness, and elevate your supply chain expertise—on your schedule.

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#### **Role of Inventory**

#### 1. Definition of Inventory

Inventory represents the raw materials, work-in-process (WIP), and finished goods held by a company to support production, sales, and customer service. Understanding inventory is fundamental because it links supply and demand, ensures production continuity, and enables timely order fulfillment. Proper management balances availability with cost, minimizing obsolescence and storage expenses.

#### 2. Functions of Inventory

Inventory serves multiple functions: buffering against demand variability, supporting production schedules, enabling economies of scale, facilitating smooth order fulfillment, and protecting against supply disruptions. Mastery of these functions allows logistics professionals to optimize stock levels while maintaining service levels and operational efficiency.

#### 3. Types of Inventory

Inventory types include raw materials, WIP, finished goods, maintenance/repair/operations (MRO) items, and transit inventory. Each type has distinct purposes and management requirements. Understanding inventory types is essential for controlling costs, ensuring availability, and optimizing warehouse and production processes.

#### 4. Safety Stock

Safety stock is extra inventory held to protect against variability in demand or supply. It reduces the risk of stockouts but increases carrying costs. Mastery involves

calculating appropriate levels to balance service performance with financial efficiency.

#### 5. Cycle Stock

Cycle stock represents inventory required to meet average demand during a replenishment cycle. It is replenished periodically based on forecasted demand. Understanding cycle stock helps optimize order quantities, reduce holding costs, and maintain efficient operations.

#### 6. Buffering and Risk Management

Inventory acts as a buffer against uncertainties such as supply delays, demand spikes, or production disruptions. Proper buffering mitigates risks while minimizing excessive carrying costs. Mastery enables strategic decisions that maintain service levels under variable conditions.

#### 7. Economic Order Quantity (EOQ)

EOQ is the optimal order size that minimizes total inventory costs, including ordering and holding expenses. Mastery allows logistics professionals to balance cost efficiency with operational needs, ensuring stock availability while controlling expenses.

#### 8. Reorder Point (ROP)

ROP determines when inventory should be replenished based on lead time and demand. Accurate ROP calculations prevent stockouts and overstocking, maintaining smooth operations. Mastery supports timely replenishment and efficient warehouse management.

#### 9. Lead Time Impact

Lead time affects the amount of inventory needed to avoid disruptions. Longer lead times require higher stock, while shorter lead times allow leaner inventories. Understanding lead time implications ensures proper stock planning and supply chain responsiveness.

#### 10. Inventory Carrying Costs

Carrying costs include storage, insurance, depreciation, obsolescence, and capital costs. Efficient inventory management balances service levels against carrying costs. Mastery helps logistics professionals optimize financial performance while maintaining operational readiness.

#### 11. Inventory Turnover

Inventory turnover measures how quickly stock is sold or used over a period. Higher turnover indicates efficient inventory management, while low turnover may signal overstocking or slow-moving items. Understanding this metric supports cost reduction and operational efficiency.

#### 12. Obsolete and Excess Inventory

Obsolete or excess inventory ties up capital and storage space while offering no value. Managing these effectively through forecasting, demand analysis, and clearance strategies reduces costs and improves working capital efficiency.

#### 13. Role in Customer Service

Inventory ensures product availability to meet customer demand, supporting service levels and satisfaction. Properly managed inventory allows timely order fulfillment and

prevents stockouts, directly impacting customer loyalty and operational reliability.

#### 14. Inventory in Production Support

Inventory of raw materials and WIP supports continuous production without interruption. Understanding material requirements and scheduling ensures that production lines remain operational, minimizing downtime and optimizing throughput.

#### 15. Just-in-Time (JIT) Inventory

JIT aims to minimize inventory by receiving materials only when needed for production. It reduces carrying costs but requires precise forecasting and reliable supply. Mastery ensures lean operations while maintaining service levels.

#### 16. Role in Distribution

Inventory strategically positioned in distribution centers improves delivery speed and responsiveness. It enables companies to meet regional demand efficiently and supports network optimization. Understanding distribution inventory enhances service while minimizing logistics costs.

#### 17. Demand Variability Management

Inventory helps absorb fluctuations in demand, ensuring availability during peak periods or seasonal spikes. Mastery involves using forecasting, safety stock, and buffer strategies to maintain service without excessive cost.

#### 18. Inventory and Supply Chain Strategy

Inventory decisions align with overall supply chain strategy, influencing sourcing, production, and distribution planning.

Mastery ensures inventory supports strategic goals, such as cost efficiency, responsiveness, and risk mitigation.

#### 19. Performance Metrics

Key metrics include inventory accuracy, turnover, fill rate, days of inventory, and stockout frequency. Monitoring these metrics identifies improvement areas and guides operational decisions. Mastery ensures inventory management aligns with business objectives.

#### 20. Continuous Improvement

Regularly reviewing inventory policies, processes, and systems identifies inefficiencies and cost-saving opportunities. Techniques like Lean and Six Sigma optimize stock levels and improve responsiveness. Mastery ensures sustainable operational excellence and strategic alignment.

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## Micro-Learning Programs in Supply Chain Management & Procurement



Enhance your professional edge with Fhyzics Business
Consultants' Micro-Learning Programs in Supply Chain
Management and Procurement. Designed as focused, twohour Executive Development Programs, these sessions
deliver practical insights and tools to solve real-world
business challenges. Conducted in small batches for
personalized learning, participants gain a deeper
understanding of key supply chain and procurement
strategies that drive efficiency and profitability. Each
participant receives a certificate of completion, adding value
to their professional profile and career growth. Whether you
aim to advance in your current role or explore new
opportunities, this program equips you with the knowledge
and confidence to excel.



## Micro-Learning Programs in Supply Chain Management



- 1. Fundamentals of Supply Chain Management
- 2. Supply Chain Planning and Optimization
- 3. Demand Forecasting Techniques
- 4. Inventory Control and Management
- 5. Distribution and Logistics Strategy
- 6. Warehouse Layout and Operations Efficiency
- 7. Supply Chain Risk Management
- 8. Supply Chain Performance Metrics (KPIs)
- 9. Lean Supply Chain Practices
- 10. Agile and Responsive Supply Chains
- 11. Sales and Operations Planning (S&OP)
- 12. Supply Chain Network Design
- 13. Supply Chain Digital Transformation
- 14. AI and Data Analytics in Supply Chain
- 15. Supply Chain Sustainability and Green Logistics
- 16. Reverse Logistics and Returns Management
- 17. Supply Chain Collaboration and Integration
- 18. Supplier Relationship Management in SCM
- 19. Global Supply Chain Strategy
- 20. Transportation Management Systems (TMS)
- 21. Inventory Optimization Models
- 22. Demand-Driven MRP (DDMRP) Concepts
- 23. Blockchain Applications in Supply Chain
- 24. Supply Chain Cost Reduction Techniques
- 25. SCOR Model and Process Improvement

## Micro-Learning Programs in Supply Chain Management ...



- 26. Capacity Planning and Resource Allocation
- 27. Managing Supply Chain Disruptions
- 28. End-to-End Supply Chain Visibility
- 29. Cold Chain Logistics Management
- 30. Supply Chain Compliance and Ethics
- 31. Import-Export Procedures and Documentation
- 32. Managing Third-Party Logistics (3PL) Providers
- 33. Supply Chain Collaboration Technologies
- 34. Production Planning and Scheduling
- 35. Strategic Supply Chain Design Using Case Studies
- 36. Circular Economy in Supply Chain
- 37. Vendor-Managed Inventory (VMI)
- 38. Transportation Optimization Techniques
- 39. E-Commerce Supply Chain Models
- 40. Omni-Channel Fulfillment Strategies
- 41. Warehouse Automation and Robotics
- 42. SCOR DS Roadmap for Supply Chain Excellence
- 43. Customer-Centric Supply Chain Strategies
- 44. Supply Chain Finance and Working Capital Management
- 45. Supply Chain Data Visualization Using Power BI
- 46. Strategic Sourcing in Supply Chain Context
- 47. Supply Chain Benchmarking and Best Practices
- 48. Integrated Business Planning (IBP)
- 49. Supply Chain in Crisis Management and Recovery
- 50. Future Trends and Technologies in Supply Chain

## Micro-Learning Programs in Procurement



- 1. Fundamentals of Procurement Management
- 2. Strategic Sourcing and Category Management
- 3. Supplier Selection and Evaluation
- 4. Contract Management Essentials
- 5. Cost and Price Analysis in Procurement
- 6. Negotiation Strategies for Procurement Professionals
- 7. E-Procurement and Digital Tools
- 8. Procurement Planning and Budgeting
- 9. Risk Management in Procurement
- 10. Supplier Relationship and Performance Management
- 11. Sustainable and Ethical Procurement
- 12. Total Cost of Ownership (TCO) Analysis
- 13. Make-or-Buy Decision Frameworks
- 14. Procurement Policies and Governance
- 15. Procurement in Public vs. Private Sectors
- 16. Procurement Audit and Compliance
- 17. Procurement Data Analytics and Reporting
- 18. Procurement Scorecards and KPIs
- 19. Strategic Supplier Partnerships
- 20. Category Strategy Development
- 21. Managing Global and Offshore Procurement
- 22. Negotiation Simulation Workshop
- 23. Contract Law for Procurement Managers
- 24. Cost Reduction Strategies in Procurement
- 25. Supplier Risk Assessment Models

## Micro-Learning Programs in Procurement ...



- 26. Procurement Process Mapping and Improvement
- 27. Procurement Automation and AI Applications
- 28. Managing Procurement Teams Effectively
- 29. Procurement Ethics and Transparency
- 30. Procurement in the Digital Supply Chain
- 31. Vendor Consolidation Strategies
- 32. Spend Analysis and Optimization
- 33. Demand Forecasting for Procurement
- 34. E-Auction and Reverse Bidding Techniques
- 35. Inventory and Procurement Alignment
- 36. Procurement in Project-Based Organizations
- 37. Supplier Onboarding and Development
- 38. Procurement Market Intelligence
- 39. Measuring Supplier Innovation
- 40. Procurement in Times of Supply Disruption
- 41. Cross-Functional Collaboration in Procurement
- 42. Writing Effective RFPs, RFQs, and RFIs
- 43. Contract Negotiation Best Practices
- 44. Green Procurement and Circular Economy
- 45. Legal Aspects of Procurement Contracts
- 46. Performance-Based Contracting
- 47. Procurement Leadership and Strategic Influence
- 48. Cost Avoidance and Value Creation in Procurement
- 49. Managing Procurement with Power BI Dashboards
- 50. Future Skills and Trends in Procurement



### **Fhyzics Business Consultants Pvt. Ltd.**

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