



LM126: Logistical and Transportation Planning Methods

Training Description:

This intensive course covers the logistics and transport including the essence of logistics, the three logistics options, transport process and transport management environment; the planning process and forecasting logistics demands; the visual network model and flexibility in the operations logistics; the logistics view point of strategic transport planning; suitable transport including the factors influencing transportation choice and career selection criteria; the safety in transportation and logistics; and the modal characteristics and suitability and the intermediaries in the transport system.

Further, the course will also cover the proper negotiation with professional carriers; the transportation planning model; the fleet planning, routing and scheduling; the operating principles for efficiency and third party distribution; the operations control and controlling third party distributors; the transport cost concepts, elements & principles; costing vehicles and costing trips; the tariff fixing principles; and establishing rates.

Training Objectives:

By the end of the training, participants will be able to:

- ✓ Apply systematic techniques on logistical and transportation planning methods
- ✓ Discuss logistics and transport including the essence of logistics, the three logistics options, transport process and transport management environment
- ✓ Carryout the planning process and forecasting logistics demands
- ✓ Illustrate the visual network model and identify the flexibility in operational logistics
- ✓ Explain the logistics view point strategic transport planning
- ✓ Select suitable transport including the factors influencing transportation choice and career selection criteria
- ✓ Apply safety in transportation and logistics
- ✓ Recognize the modal characteristics and suitability and the intermediaries in the transport system
- ✓ Differentiate private versus professional transport and apply negotiation with professional carriers
- ✓ Illustrate transportation planning model
- ✓ Employ fleet planning, routing and scheduling
- ✓ Discuss the operating principles for efficiency as well as the third-party distribution
- ✓ Implement operations control and control third party distributors
- ✓ Explain the transport cost concepts, elements and principles as well as costing vehicles and costing trips
- ✓ Apply tariff fixing principles and establish rates

Training Designed for:

This course is intended for transportation, operations, contracts, procurement and logistic managers, superintendents, supervisors and staff as well as shipping managers and marine operation managers. Although this focuses on transport and distribution, this course will also be of value to other members in a supply chain by understanding the problems and issues pertaining to transport and distribution.

Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request.”

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

DAY ONE:

- ❖ **PRE-TEST**
- ❖ **Introduction to Logistics & Transport**
 - The Essence of Logistics
 - What is Logistics
 - Logistics – A Definition
 - The Three Logistics Options
 - Transport from a Logistics Viewpoint
 - The Transport Process
 - The Transport Management Environment
- ❖ **The Planning Process**
 - The Nature of Logistics & Transportation Planning
 - Planning at the Strategic and Tactical Levels
 - Logistic Responsiveness in Operations
 - Planning Logistics in an Operation
- ❖ **Forecasting Logistics Demands**
 - Forecasting Demand at the Three Levels of Logistics
 - Forecasts an Input to Logistics Planning
 - The Factors that Affect Uncertainty
 - A Framework for Logistics Forecasting System
- ❖ **The Visual Network Model**
 - Network Models
 - The Logistics Network Model
 - The Visual Network (VN) Model
 - Structural and Operational Properties
- ❖ **Flexibility in Operational Logistics**
 - The Facets of Flexibility
 - The Need for Flexibility in Logistics
 - Defining Logistics Flexibility

DAY TWO:

- ❖ **Strategic Transport Planning from a Logistics Viewpoint**
- ❖ **Selecting Suitable Transport**
 - Factors Influencing Transportation Choice
 - Carrier Selection Criteria
- ❖ **Safety in Transportation & Logistics**

- ❖ The Transport System (Modal Characteristics & Suitability; Intermediaries in the Transport System)
- ❖ Private (Own) Versus Professional Transport
- ❖ Negotiation with Professional Carriers

DAY THREE:

- ❖ A Transportation Planning Model
- ❖ Fleet Planning (Static Capacity)
 - Fleet Composition
 - Vehicle Selection
 - Maintenance
 - Replacement
- ❖ Routing & Scheduling
- ❖ Operating Principles for Efficiency
- ❖ Third Party Distribution

DAY FOUR:

- ❖ Operations Control
- ❖ Controlling Third Party Distributors
- ❖ Transport Cost Concepts, Elements & Principles
- ❖ Costing Vehicles
- ❖ Simulator (Hands-on Practical Sessions)
 - Practical sessions will be organized during the course for participants to practice the theory learnt. Participants will be provided with an opportunity to carryout various exercises using our state-of-the-art simulators "Vehicle Fleet Manager 4.0" software.

DAY FIVE:

- ❖ Costing Trips
- ❖ Principles of Tariff Fixing
- ❖ Establishing Rates
- ❖ Distribution of Certificates, Course Evaluation & Closure
- ❖ Course Conclusion
- ❖ POST-ASSESSMENT and EVALUATION

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

TBA as per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

For training registrations or in-house enquiries, please contact:

Aisha Relativo - Training & Career Development Manager

aisha@cmc-me.com / training@cmc-me.com

Tel.: +971 2 665 3945 or +971 2 643 6653 | Mob.: +971 52 2954615