



Fundamentals of Logistics & Transportation

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Introduction:

The course includes various modes of transportation and types of carriers, documents used in the transportation of goods, basics of warehouse operations, general understanding of the inventory management; and recent concepts in logistics operation. The training course will help both freight users and operators understand the crucial role played by transport management in the global movements of goods and materials.

This logistics training course provides a comprehensive grounding in all aspects of freight transport, and how they fit in to the broader logistics function. Freight transport is a critical aspect in business and trade, as it provides the link between supply and demand. It is therefore a foundational enabler in economic trade, involving as it does the movement of goods and product trade on a national or international scale. Indeed the growth of global production offshoring in recent years, to countries like China, has brought freight transport into a sharper focus, as organizations increasingly try to balance cost with service reliability and inventory stock levels.

Who Should Attend?

Line Managers, Fleet Managers of national, provincial government departments as well as, Municipalities, who have to understand their role and responsibilities in terms of transport and fleet management, Fleet Supervisors, Fleet Operators, Fleet Inspectors, Chief Mechanics, Personnel with fleet management and supervision responsibilities

Course Objectives:

By the end of this course delegates will be able to:

- Understand functional pieces of logistics business
- Describe the elements of transportation and logistics and the potential opportunities for cost savings
- Define freight and logistics terms and conditions with internal and external clients and vendors.
- Analyze the requirements for a project and determine which transportation and logistics processes provide the best solutions for the agency
- Identify the key points that need to be in each transportation contract
- Design and develop a cost effective logistics and transportation program

Course Outline:

- Various modes of transportation and their application
- Freight rate analysis
- Shipping documents, their purpose and use
- Domestic and international terms of sale/freight terms/INCO terms
- Warehousing and distribution
- Packaging and Material Handling
- Logistics Management
- Integrated Logistics
- The role of freight transport in trade and in the economy
- The strategic aspects of freight transport
- Transport and the economy
- Transport and government policy
- Domestic and international trade and transport
- Transport in international trade

- Recognizing the supply/demand variables
- Transport connections with supply chain management
- The eight supply chain rules
- Transport excellence
- Selecting the method of transport/modes
- Mode characteristics and key features
- Transport cost drivers
- Evaluating transport performance
- Determining transport rates
- Freight rate structures
- Costing freight options
- Outsourcing, using freight forwarders and third party logistics providers (3PLs)
- Freight transport best practice
- Transport improvements
- Global supply chains and logistics