

MODULE 3 - Multimodal transport

Content of the Module

This module is the third module of the online learning module on inland waterway transport. Whereas in module two the focus was on the characteristics of waterways, in module three the possibilities to combine different modalities will be discussed. This “multimodal transport” will be described as a concept and will be illustrated with examples. As a bachelor in logistics one of your tasks is to design or optimize the transport chain for different kinds of cargo. The knowledge about multimodal transport concepts will help to create a more efficient and effective transport chain. In this module the definition and examples of multimodal transport will be given. Besides the characteristics of multimodal transport will be discussed. Also the factors that are part of the cost calculations and the main legal and political aspects will be described.

Learning Aims of the Module

After this module you should be able to:

1. describe what multimodal transport is
2. give examples of multimodal transport concepts
3. describe main characteristics of multimodal transports
4. name the factors that are part of the cost calculation of multimodal process
5. name the main legal and political aspects regarding transport of dangerous goods, customs regulations and liability

Mandatory Learning Materials

Please read the following learning materials as described below. They are all provided in the Section “Learning Materials (Module 3).

1. Multimodal transport

This chapter gives an overview of the main elements of multimodal transport. The definition of multimodal transport, intermodal transport and combined transport are given. Also multimodal transport systems with different examples are described. Besides the differences between the multimodal and intermodal transport operators are explained. The last part of this chapter gives an overview of the conditions, effects and economic and environmental benefits of multimodal transport.

2. PPT Multimodal Transport

In this presentation the comparison of transport modalities is drawn and supported with facts and figures. Besides the multimodal and intermodal transport concept is described with examples.

3. INE Annual Report 2014

The Annual Report of Inland Navigation Europe (INE) gives an overview of a variety of recent developments in the Inland Waterway Transport (IWT) sector.

4. Presentation Steel Case

The Steel case is an example of an innovation in the multimodal transport.

5. Case 1. From Iron ore to Cars & Case 2. Lassie, the Rice company

These cases give insight in two different transport chains of a specific product and the way multiple transport modes are used.

Evaluation

As part of a test at the end of every module, you will have to answer 15 questions per module. These questions are selected randomly. You will have 15 minutes for each test. At the end you will be able to see your learning progress at a learning progress bar.