Overview of the Air Transport System

⌨ E-learning course (online format)

This course will provide you with an overview of the air transportation system and illustrate the interdependence among its components: airlines, airports, civil aviation authorities and air navigation services. You will explore the complex system which is required in order to carry passengers and goods from point A to point B, and the organizations, people and technologies that make the air transport industry safe and sustainable.

Objectives

Upon completing this course you will be able to:

- Describe the missions, roles and responsibilities of airlines, airports, civil aviation authorities (CAA) and air navigation services (ANS)

- Explain the role of ICAO and the major world aviation organizations

- Describe correlations and interdependencies between the components of the air transportation system

- Summarize current issues impacting the air transportation system

Target audience

- Airline, airport, CAA, and ANS provider employees, line and middle-management

- New professionals in all fields of aviation

- Academic students

- Aviation enthusiasts

Flexible learning

- This self-study e-learning module is a quick and flexible training method that allows you to learn using short, interactive modules.

- Order online to receive access to this course on our e-learning platform.

Key topics

- Air transportation system
- World aviation organizations
- Fundamentals of:
  - Airline operations
  - Airport operations
  - Air navigation services
  - Civil aviation authorities

Course format

- This course requires approximately 3 hours of study to be completed in 6 months from the purchase date (enrollment validity). After the enrollment validity expires, the users will not have access to the course content and will not be able to take the exam.

- Student performance will be based on an examination.

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Exam information

- Non-supervised online-based exam. Exam can be taken any time at your convenience.
- You will be given 1 hour to complete 20 multiple choice questions
- Passing grade is 70% correct answers
- You will be given 2 attempts to successfully complete the final exam.
- Upon successful completion of the exam, you will be awarded an e-Certificate available for you to print for your records.

Table of Contents

Unit 1
- System component and world aviation organizations
- Role of the air transportation system components
- World aviation organizations

Unit 2
- Overview of airlines and their key activities such as:
  - Airplane maintenance and staff training (cabin crew, ground crew and pilots)
  - Airline operations
  - Airlines issues and challenges

Unit 3
- Overview of airports
- Airport infrastructure and activities
- Airport privatization
- Airport issues and trends

Unit 4
- Overview of air navigation services (ANS)
- Air Traffic Management (ATM)
- Air Traffic Flow Management (ATFM)
- History of air traffic control
- Air traffic management
- Air space
- ANS issues and trends

Unit 5
- Overview of civil aviation authorities (CAA)
- International aviation regulatory framework
- CAA activities
- CAA issues and trends