



Capacity Enhancement and Resource Planning

Professional Certificate Course

Delivery: Classroom

Duration: 3 days

This course gives participants an in-depth understanding of the fundamentals for improving efficiencies at airports with an emphasis on increasing capacity without the need for significant investment in infrastructure. It aims to improve communications between all stakeholders at an airport and examines each of the key elements which contribute to an airport's efficiency, namely landside, terminal, airside and airspace.

Learning Objectives

Upon completing this course, participants will be able to:

- Describe the concepts of capacity within the key areas of an airport, including landside, passenger and aircraft movements
- Discuss the importance of accurate scheduling and slot management when dealing with high-volume events
- Discuss the benefits of accurate shared data and consequences of uncoordinated information streams and its effects across the entire airport
- Apply knowledge to undertake resource planning
- Explain the significance of resource planning from the airport company's perspective
- Explain how ground handling resource planning is performed and its potential impact on service levels and safety
- Discuss the positive benefits of accurate shared data

Target Audience

- Airport Operations Directors, Managers, Officers and Staff
- Airport Terminal Managers
- Airport Infrastructure Managers
- Airport Emergency Managers, Officers and Staff
- Civil Aviation Authority Officials
- Ground Handling Agents
- Air Traffic Controllers

Course Content

- Capacity Enhancement - Landside



- Scheduling and Slot Coordination
- Capacity Enhancement - Airside
- Resource Planning - Airport's Perspective
- Resource Planning - Landside Ground Handling
- Collaborative Decision Making in improving Capacity
- Data Harvesting, Flow and Analysis
- Designing a Collaborative Decision Making Operation
- Workshops on Resource Planning and A-CDM

Additional Information

- Available as a stand-alone Professional Certificate course