

Airspace Design for Terminal Area Optimization

ON SITE



Sector(s) : CAA Civil Aviation Authority, Air Navigation Service Provider

Theme(s) : Flight operations, Regulation

Audience : Executives, Managers, Technicians

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Number of places : 20

Duration : 10 day(s)

2023 : 4200 €

Dates / Times ///

03/04/2024 03/15/2024

At ENAC Toulouse

Goals ///

The objective of this course is to provide theoretical background in the design of airspace, particularly in lower airspace and terminal areas.

Attendees ///

ATS managers, supervisors, controllers and technicians involved in airspace and procedure design.

Training content ///

Airspace organisation strategy :

- ICAO global CNS/ATM plan
- Economic aspects
- The FABEC airspace design programme

Air Traffic Flow and Capacity Management :

- Flow management
- Flexible use of airspace for civil/military integration

Environment and sustainable development

- Impact on noise exposition
- Air pollution and emissions

Performance Based Navigation

- PBN principles
- Impact on ATC
- Example of PBN implementation

Trajectory and procedure design

- Influence of procedure design on airspace structure
- Impact of protection areas (conventional and PBN)

Applications

CCO, CDO, Point Merge, ...

Tools

- Procedure design
- Airspace optimisation
- Terminal airspace traffic management

Workshop

- Based on real data
- Presentation of the situation
- Groupwork on different scenarios
- Presentation of the actual airspace design.

The benefits of this training ///

Two workshops based on real Airspace and Traffic data allowing the trainees to put into practice what has been covered during the training.