/campus

ENAIRE

Advanced Management of Technical-operational **ANS SERVICES EXPERT**

COURSE

THREE MONTHS PROGRAMME

TRAINAIR PLUS

INTRODUCTION

ENAIRE, one of Europe's leading air navigation service providers offers this unique training package for aviation professionals to enhance their expertise through the course **Advanced technical-operational management**, accredited by the ICAO TRAINAIR PLUS Programme.

ENAIRE **has been awarded** by the International **Civil Aviation Organization (ICAO)** in recognition of its contribution to the development of aviation professionals worldwide.

COURSE HIGHLIGHTS

Target Audience: Aimed primarily at Air Navigation Service (ANS) staff, airlines, airport managers, regulators, military authorities, meteorology providers, industry professionals and consultants.

Comprehensive Training: Acquire the competencies required to manage corporate support services for ANS provision in accordance with ICAO SARPs, associated guidance material and making use of best practices applied worldwide.

Expert Instructors: Learn from a highly qualified team of industry experts and university instructors who bring their experience and knowledge to provide a current and comprehensive approach to all components of ANS.

LEARNING OBJECTIVES

- Familiarize with ICAO's Performance Based Navigation (PBN) concept.
- Familiarize with airspace structures and the basics of the design of instrument flight procedures (IFPD).
- Familiarize with the concept of capacity for airport, factors behind and ways for its calculation, including limiting capacity and ATFCM.
- Describe the A CDM concept and how its integration helps the achievement of desired capacity levels.
- Familiarize with the integration of drones into the airspace and the concept of U space.
- Familiarize with Air Navigation Technical Services from the perspective of technology, architecture and functionalities for communication systems (mobile and ground based), surveillance systems and ATM systems.
- Provide a general awareness about the ICAO AIS to AIM transition roadmap.
- Reinforce the importance of the Quality of the Aeronautical Data and Aeronautical Information and AISP Quality Management System Procedures on support of ICAO Annex 15.
- Describe how to promote a safety culture within air navigation service provider.

- Describe methods for safety assessment of functional changes.
- Familiarize with occurrence reporting and safety investigation techniques in accordance with international best practices.
- Describe the influence of human performance in the provision of air navigation services as well as in organizational and procedural issues.
- Describe the psychological and physiological limitations of the individual and the impact of these limitations on the commission of errors.
- Describe how to provide an overview of environmental issues from the perspective of Air Navigation Services.
- Describe the effects of aviation on the environment, with special attention to noise, emissions and climate change.
- Describe how to address actions to reduce environmental affections from the perspective of a multi-stakeholder overview of the environmental impact of the aviation sector whilst securing its future sustainable development.
- Familiarize with security in Air Navigation Services from the perspective of planning, regulation and provision.
- Familiarize with Cybersecurity at national and international level, main regulatory frameworks, internal organization of an ANSP and an approach to general technical concepts and good practices.

COURSE STRUCTURE

1. Operations and airspace management
2. ANS technical management
3. Aeronautical information management
4. ANS Safety
5. Human Factors
6. ANS Security
7. ANS environment

CLASSES FORMAT/ACCESS

Virtual classes accessed through streamed live sessions. Recordings can be accessed later throuth MS Teams learning platform.

Language: English.

SCHEDULE EUROPEAN CENTRAL TIME

- **Mondays and Wednesdays:** 14:00 - 18:30
- **Fridays (occasionally):** 14:00 - 16:15

PROGRAM DURATION AND START DATE

To be determined.

REGISTRATION ATTENDANCE

To be announced.

Register at **GAT website.**

TUITION FEE

For the first edition of Module III, a reduced fee has been set at USD 2,340 instead of the usual USD 2,600 tuition fee.

EVALUATION

The students, grouped in teams, will carry out practical cases to demonstrate the acquisition of the competences in each didactic unit.

They will receive the necessary support, either on individual basis or in open tutorial sessions for all the groups.

At the end of the course, the students will be awarded the Diploma of Advanced Management of ANS Technical-operational Services Expert.

FURTHER INFORMATION

- icao.int
- enaire.es
- Email: Master.enaire@senasa.es

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