

CNS/ATM INITIAL

OBJECTIVES.

The goal of this course is to provide a general knowledge about Air Navigation services and CNS/ATM systems that support them. The training objectives of this course matches with the specification for Air Traffic Safety Electronics Personnel (ATSEP) Basic Training regarding Initial Training.

WHO SHOULD ATTEND.

This course will be directed to:

- **Engineering, Technical and/or Maintenance** professionals of an Air Navigation Service provider (ANSP) that are involved in the design, installation and/or operation of Air navigation systems.
- **CNS/ATM sector companies staff** requiring a general knowledge of systems providing services in Air Navigation as well as their evolution defined in ICAO, Eurocontrol, EUROCAE, ETSI, EASA,...

KEY BENEFITS OF ATTENDING.

You will:

- **Learn** major principles of Air Navigation services and their associated CNS/ATM systems.
- **Understand** the principles for the provision of Air Navigation services.
- **Know** the technical and operational specifications of CNS/ATM systems.
- **Practise** the implementation of operational procedures.
- **Win** experience and know-how implementing CNS/ATM systems.

COURSE PRE-REQUISITES.

None.

HIGHLIGHTS

Basic course corresponding to Initial Training as specified for Air Traffic Safety Electronics Personnel (ATSEP).

Practical explanations based on current operational implementations.

Practical exercises to settle down theoretical concepts.

Ideal course for students with little, middle or high background on CNS/ATM systems due to the customization performed by the Trainer.

Recommendable course for designers, implementers, developers and professionals within the aeronautical CNS/ATM sector.

TABLE OF CONTENTS.

- Module 1: Introduction to ATM (Air Traffic Management).
- Module 2: Familiarization with ATC (Air Traffic Control).
- Module 3: Aeronautical Information Services (AIS).
- Module 4: Meteorology.
- Module 5: CNS services.
- Module 6: Communications (C).
- Module 7: Navigation (N).
- Module 8: Surveillance (S).
- Module 9: Data processing (DP).
- Module 10: Monitoring and control of CNS/ATM system.
- Module 11: Maintenance procedures.
- Module 12: Energy and air conditioning.