



Technical Bureau for Consultancies, Services & Training (AVIBOARD)
www.aviboard-atc.com

ATSEP BASIC

Air Traffic Safety Electronics Personnel

Course aim

This course is designed to acquire basic knowledge and skills to technical personnel or ab-initio trainees operating and maintaining air traffic management (ATM) equipment.

Course objectives

After completion of the basic ATSEP training, the student will be able to demonstrate:

- Knowledge and understanding of the subjects described below in accordance with the ICAO Doc. 10057 requirements for service providers concerning personnel training and competence assessment Air Traffic Safety Electronic Personnel.
- Knowledge and understanding of the importance of teamwork.

Course duration

The course duration is 10 days (Two weeks)

Course overview

The competency based training is divided into theoretical lessons combined with practical hands-on simulation exercises and delivered by a team of professional international instructors.

Theory

The theory consists of individual topics covering various aspects of operating and maintaining ATM equipment. It includes such subjects as the description of CNS/ATM service and the organization of airspace and airports. It gives the knowledge of integrated traffic flow, meteorology, means of communication, coordination and the equipment used in performing a safe air traffic control service, etc.

Prerequisites

As stated by the regulatory requirements, in addition to any client requirements.

Compliance with regulations

The course is compliant with ICAO Doc. 10057

Content in brief

ATSEP Basic course considers the technical personnel background, experience and needs. In addition, a tailored ATSEP training course could be designed in accordance with customer needs.

Introduction

Description of the ATM work environment.

Air Traffic Familiarization (ATF)

Description of the role of ATC in the ATM environment.

Aeronautical Information Services (AIS)

Definition of the organization of AIS.



Technical Bureau for Consultancies, Services & Training (AVIBOARD)
www.aviboard-atc.com

Meteorology (MET)

The impact of meteorology on aircraft and ATS operations, the importance of meteorological information in ATM.

Communications (COM)

Description of the principles used in voice and data communication.

Navigation (NAV)

Description of the principles of navigation and navigational aids and their use in ATM.

Surveillance (SUR)

Description of the basic principles used in primary radar, secondary radar and other surveillance systems, and their use in ATM operations.

Data Processing (DAT)

Description of the principles used in data processing and their use in ATM operations.

System Monitoring and Control (SMC)

Definition of the SMC function and description of its basic principles.

Maintenance Procedures (MTN)

Description of general maintenance strategy and procedures.

Facilities (FAC)

Description of facilities and definition of the level of performance required including study visits to air traffic control facilities and aviation-related environment.

Certification

- ATSEP participants will be awarded a Certificate upon successful completion of the course and final assessment (Pass mark 75%)