

# ATSEP BASIC

## Air Traffic Safety Electronics Personnel



### Course aim

The basic Air Traffic Safety Electronics Personnel (ATSEP) training course is designed to impart basic knowledge and skills to technical personnel or ab-initio students operating and maintaining air traffic management (ATM) equipment.

### Course objectives

After completion of the basic ATSEP training, the student will have:

- Knowledge and understanding of the subjects described below in accordance with the EASA ANNEX XIII - Part-PERS requirements for service providers concerning personnel training and competence assessment Subpart A - Air Traffic Safety Electronic Personnel.
- Knowledge and understanding of the importance of teamwork.

### Course overview

The course duration is eight days (classroom) or ten days (online). 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 organisation 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.

### Simulator training

Various simulation exercises using advanced training equipment are performed to become familiar with the work of an air traffic controller.

### Prerequisites

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

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### Compliance with regulations

The course is compliant with Commission Implementing Regulation (EU) 2017/373 Annex XIII, subpart A.

### Content in brief

Our optimised ATSEP Basic course takes into account the background, experience and needs of the technical personnel. By selecting only the required subjects from the total ATSEP Basic course, we can flexibly design a tailor-made course responding to any customer needs.

### Introduction

Description of the ATM work environment.

### Air Traffic Familiarisation (ATF)

Description of the role of ATC in the ATM environment.

### Aeronautical Information Services (AIS)

Definition of the organisation of AIS.

### 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.

Course code: ATSEP Basic

Duration: 8 days (classroom) or 10 days (online)



ATS Academy

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### **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.