



## Course aim

The ATSEP Orientation course gives non-ATSEPs (Air Traffic Safety Electronics Personnel) an introduction to the ATSEP field. It addresses personnel that might not be directly impacted by the ATSEP regulation Annex XIII Part-Pers in the regulation 373/2017, but who still are in a need of basic ATSEP knowledge in their daily duties. This could be project managers, group managers, engineers, and others who work together with ATSEPs.

After completing the course, the participants have:

- A basic understanding of how CNS (Communication, Navigation, and Surveillance) is used in ATM and how it supports the operations.
- A basic understanding of the technical concepts used in ATM in the areas of CNS, AIM, and AIS.
- An awareness of the role of ATSEP in the ATM organisation.

## Course structure

The ATSEP Orientation course is 3 days in duration, consists of theoretical classroom lessons, and is delivered by professional international instructors. A tailor-made course can be offered according to individual client needs.

The course can be delivered on-site at Entry Point North, at the client's premises, or in a Virtual Classroom.

## Content in brief

The course consists of topics from the ATSEP Basic course and considers the background, experience and needs of the participating personnel. It covers topics such as, but not limited to:

### **ATSEP regulation and functional safety**

Safety foundation and how it is applied in the ATSEP working environment.

The underlying regulations and recommendations to build and manage their safety process.

### **Meteorology systems**

Orientation of meteorology systems used in ATM.

### **Meteorology and AIS**

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

The organisation of AIS and the AIS role.

#### **Communication**

The principles of both voice and data communication.

#### **Navigation**

The principles of navigation and navigational aids and their use in ATM.

#### **Surveillance**

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

#### **Data Processing**

The principles of data processing and their use in ATM operations for flight plan data. Other aeronautical data used for flight progress update in ATM systems.

#### **Systems, Monitoring, and Control**

The principle and purpose of the SMC function.

## Prerequisites

There are no prerequisites for taking part in this course.