

Air Traffic Safety Electronics Personnel (ATSEP) Basic Introduction Course – 10 Days

Introduction

Air Traffic Safety Electronics Personnel (ATSEP) refers to the specialists who collectively provide the development management and support of the Electronics and software on which the Air Traffic System Framework is built and functions.

The ATSEP group includes managers, engineers, technicians, as well as both computer hardware and software specialists.

Specific functions of the ATSEP group includes equipment specification, Installations and commissioning including testing and certification, Maintenance & Calibration of Air Traffic Control (ATC) equipment's

As with all aviation groups sufficient focus must be placed on the minimization of human error exposure as well as sufficient attention to the safety system oversight and effectiveness of the technical process delivery.

It is essential that competence is managed in accordance with recommended standards and practices and this course provides delegates with a basic knowledge focused on the Air Navigation Service Provider (ANSP) environment.

The training content is focused on ensuring compliance with the objectives of ICAO & EASA

Who is the course for?

The course is designed for individuals who want to gain a basic understanding of the roles and responsibilities of an ATSEP and acquire the fundamental technical skills necessary to work in this field.

tel + 359 2 821 08 06
email team@sassofia.com

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Venue	On Demand
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What is the Benefit of this Training – What will I learn?

- a) Understand the regulatory Framework related to ATSEP
- b) Be able to measure ATSEP Performance
- c) Understand and Explain the organisation of Aeronautical Information Service (AIS)
- d) Explain ATSEP System Monitoring & Control (SMC)
- e) Be able to explain the role of ATC in the Air Traffic Management (ATM) environment
- f) Understand the role of meteorology and meteorological information in ATM related to aircraft and ATS operations.
- g) Awareness of principles used in Voice & Data Communications and navigation aids
- h) Awareness of the principles used in Primary Radar, Secondary Radar and other Surveillance systems and the integration within ATM operations
- i) Understand the requirements for general maintenance activities

Learning Objectives

Understand at a fundamental level the CNS/ATM technical and operational environment. Be familiar with the core functions of the program including: CNS /ATM systems – Communications – CNS /ATM systems – Data Communications – CNS /ATM systems – Navigation – CNS /ATM systems – Surveillance and Data Processing – ANSP – Systems Monitoring and Control (SMC).

Detailed Content / Topics - The following Subjects will be addressed

- Introduction
- Abbreviations and Terms
- ICAO ATM & ATSEP Background
- EASA Regulatory Drivers for ATM & ATSP
- Requirements to be applied by the designated authority
- Requirements for engineering and technical personnel undertaking operational safety related tasks
- Requirements to be applied by the individual personnel

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Detailed Content / Topics - The following Subjects will be addressed

- ATC General Framework Review
- 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) Introduction
- Considering the impact of meteorology on aircraft and ATS operations, the importance of meteorological information in ATM
- System Monitoring and Control (SMC) Introduction
- Management of the SMC function and description of its basic principles.
- Achieving Competence within the ATSEP Environment within the following areas – Communication, Navigation, Surveillance and Data Processing.
- Introduction to communications, navigation and surveillance/air traffic management (CNS/ATM) systems
- CNS /ATM systems – Communications – Description of the principles used in voice and data communication.
- CNS /ATM systems – Data Communications
- CNS /ATM systems – Navigation – Description of the principles of navigation and navigational aids and their use in ATM
- CNS /ATM systems – Surveillance and Data Processing – 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.
- CNS /ATM Maintenance Procedures Development and Management.
- CNS /ATM Facilities and Environment Basic Requirement Management & Development

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Target Groups

Competent Authority, ATC & ANS, ATSEP Staff, Quality Audit Personnel & Stakeholders with an interest in the subject matter.

Pre-requisites

Work experience in the aviation industry, particularly in the area of air traffic management or electronics systems.

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"I found satisfying answers to all my questions."
"The instructor demonstrated very deep knowledge of the subject."
"The length of the course fit my needs and expectations."
"The content was really effective, I gained a lot of new knowledge."
"The practical examples were perfectly delivered."

Duration

10 days – Start at 09.00 and finish at 17.00, with appropriate refreshment breaks.
To register for this training, please email team@sassofia.com or Call +359 28210806

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