



## AIR TRAFFIC SAFETY ELECTRONIC PERSONNEL (ATSEP) BASIC TRAINING

### 1. Course aim

To provide participants with the fundamental knowledge of the Air Navigation Service Provider (ANSP) environment, by providing initial training for Air Traffic Safety Electronics Personnel (ATSEP), in line with ICAO Doc 7192 Training Manual Part E-2 Air Traffic Safety Electronics Personnel (ATSEP).

### 2. Course duration

Ten (10) weeks.

### 3. Course Presentation Methodology

The training methods employed will consist of facilitated classroom lectures, exposure sessions and supervised individual learning sessions.

### 4. Language of instruction

The course will be conducted in the English language

### 5. Target Audience

ATSEP's and engineering support staff who are new to the aviation industry. This includes all ANSP personnel required to undertake operational safety related tasks.

### 6. Prerequisites

For participants wishing to continue to become qualified ATSEP staff, a completed tertiary qualification, with a minimum of 160 credits, in Electronic /Electrical Engineering or equivalent.

For engineering support staff, a basic knowledge in computers and electronics is deemed the minimum prerequisite.

### 7. What is covered

- Introduction to ATSEP
- Air traffic familiarisation.
- Introduction to the Earth
- ANSP Maintenance procedures
- 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).



## 8. What will you learn

Upon completion of this course, you will be able to:

- Understand the theory of the overall CNS/ATM technical and operational environment.
- Understand an overview of the most important domain related systems and equipment, as well as the role of all the operators within this complex environment.
- Utilise the foundation knowledge attained to progress to the job category related qualification training phase of the ATSEP programme.