

Air Traffic Control (ATC) RADAR CONTROL (AREA)

Duration: 10 weeks

Objectives

To provide students with the theory, principles and practice of area control (radar) in excess of the minimum ICAO standards and recommended practices and prepare them for validation training at an area control (radar) unit.

Prerequisite

- Current Air Traffic Controller's Licence with an Aerodrome Control Rating
- English Language upto IELTS 5.5

Course Content

Surveillance Radar (Technical)

- Principles of Radar
- Radar Systems
- Radar Displays
- SSR
- Radar Data and Display Processing
- Aerials/Wavelengths
- Future Developments

Simulation Training

28 hours of simulation per student will be provided during the course including assessments and final examination.

Surveillance Radar (Operational)

- Use of Radar
- Radar Identification Procedures
- Radar Separation Standards
- Secondary Surveillance Radar
- Position Information
- Radar Vectoring
- Transfer of Radar Identity/Control
- Provision of Clearances to Aircraft Joining/
Crossing/Leaving CAS
- Radar Information Services
- Effects of Weather
- Emergency Situations