

Air Traffic Control (ATC) RADAR CONTROL (TERMINAL)

Duration: 8 weeks

Objectives

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

Prerequisite

- Current Air Traffic Controller's Licence
- ICAO 055 Area procedural rating course
- 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
- Missed Approaches/Delay Action
- Surveillance Radar Approaches
- Radar Information Services
- Effects of Weather
- Emergency Situations