



Identification Friend or Foe(IFF)/Secondary Surveillance Radar(SSR) – Course Content

Duration - 1 day

Lesson 1 – The History of IFF/SSR Systems

- Early Conception: Realising the Need
- Adoption by the Civil Airlines

Lesson 2 – The Basics of Primary and Secondary Radar Principles

- Range and Bearing
- Monopulse Tracking
- Antenna Design

Lesson 3 – IFF/SSR Modes

- Military Modes 1030 MHz Interrogations and 1090 MHz Responses
- Civilian Modes 1030 MHz Interrogations and 1090 MHz Responses

Lesson 4 – New Modes

- Mode S
- Mode 5

Lesson 5 – Technological Improvements

- ACAS and TCAS

Lesson 6 – IFF/SSR Installations

- Military
- Civilian