



Communications Intelligence (COMINT)/Electromagnetic Warfare (EW) Intercept Operator Course

Introduction

This course addresses the underpinning knowledge and generic practical skills required of a COMINT/EW Intercept Operator. Delegates will be provided with a thorough appreciation of the principles, practices and application of COMINT/EW in modern warfare. Specifically, the practical elements of the course include: receiver search and intercept skills, activity logging, locating (through Direction Finding), analysis and exploitation of information, and reporting methods. Practical training realism is enhanced through the use of a market leading COMINT Simulator, which is capable of generating relevant tactical scenarios through simulating threat emitters at any distance and direction of arrival from training EW Mission Systems. The training EW Mission Systems comprise sophisticated wideband software defined intercept and DF systems that enable Intercept Operators to consolidate their skills. Increasingly complex scenarios are used to ensure training is both intuitive and progressive. The course will also focus on the employment of COMINT/EW assets and how best to utilise these assets in a variety of operational environments.

What you will learn:

- Introduction to EW Terminology
- The Electromagnetic Threat
- Electromagnetic Surveillance (ES) principles and techniques - Search, Intercept, Direction Finding and Analysis of radio frequency signals of interest
- Electromagnetic Attack (EA) principles and techniques – Jamming, Deception and Neutralisation
- Electromagnetic Protect (EP) principles and techniques - Active and passive measures
- The capabilities and limitations of Land EW equipment
- The deployment principles and cycle relating to EW capability and operations
- Receiver search and intercept techniques
- Logging methods and processes, and recording of activity.
- Analysis techniques and exploitation.
- Activity Reporting.

Who should attend?

Military and civilian COMINT/EW practitioners from Strategic, Operational and Tactical backgrounds. Anyone involved in the practical application, delivery and conduct of EW in a deployed, operational context.

Key Organisations

Ministry of Defence

HQ Joint, Army, Navy and Air Force

All Government agencies, industries and organisations interested in the development of EW capability.



Course Duration
2 Weeks

Location
Mercury EW Ltd – Training Facility