L3 communications TRL Technology

SMARTSCAN

Land Electronic Warfare Solutions - Training Courses

SMART SCAN

Overview

In today's modern battlefield, the requirement for up-to-the minute intelligence is vital in supporting the Commander's decision making process. With the vast amount of systems reliant on the radio spectrum, the need for reliable and capable solutions to exploit and attack those systems is paramount.

L-3 TRL provides a highly versatile range of mobile systems that are able to meet the demanding challenges of modern day land-based Electronic Warfare (EW) by providing invaluable situational awareness.

With systems able to meet the requirements of the tactical user, L-3 TRL offers a comprehensive portfolio of search, intercept, deception, Direction Finding (DF) and jamming systems designed to perform in the harshest of environments.

In order to utilise the full functionality of our equipment in a variety of tactical scenarios and optimise its effectiveness, we have designed dedicated training courses that provide customers with the essential skills and technical knowledge that allow them to stay one step ahead of the enemy.

Our dedicated team of ex-military personnel has a wealth of experience in EW systems and can offer the perfect balance between analysing your training needs, designing comprehensive training programmes and delivering them effectively to help develop customer best practice.

Our training programmes cater for a wide variety of requirements from basic through to advanced courses. We have built long-standing partnerships by ensuring that customer training needs are met in full.

Why train?

L-3 TRL's EW courses have been specifically designed to inform customers of all aspects involved in the planning, deployment and control of EW assets.

EW gives the Commander the ability to both collect information from enemies' Command and Control (C^2) systems and then attack those same capabilities at the optimum moment.

Having control over your own C^2 system on the battlefield is paramount. Understanding your adversaries' C^2 systems and the ability to defeat or disrupt these systems could be the difference between success and failure.

By attending our EW training courses, customers will obtain invaluable knowledge in how to plan, deploy and control their EW assets in the most effective manner, using a variety of techniques.

With basic and advanced courses available, both EW operators and managers can utilise the field-based expertise of our training team to ensure the equipment is used to its full potential.

Each EW training course can be integrated with L-3 TRL's MEWS and CES EA systems, providing a base for the understanding of both theory and systems.

Operating effectively

From Detachment Commander to the basic Operator, L-3 TRL's basic EW course aims to provide customers with an understanding of the principles of EW.

Delivered over a period of two and a half days, the basic EW course will combine informative, theoretical presentations with practical exercises to provide the delegate with the skills and technical knowledge necessary to operate their EW equipment effectively.

During the course, delegates will gain knowledge in the following areas:

- Threat awareness & analysis
- EW and surveillance theory
- Basic radar theory
- Electronic attack techniques
- Deployment scenarios
- Electronic protection

Delegates attending this course should be familiar with basic military radio systems.

Intelligent management

L-3 TRL's advanced EW course has been designed to provide EW Managers with an understanding of the principles of EW, leading to the management of those assets in single force or coalition deployment environments.

Tailored towards the requirements of both officers and senior soldiers, the advanced EW course can cater for Squadron Commanders and Troop Commanders as well as Detachment Commanders, enabling them to plan, deploy and control EW assets effectively.

In addition to the topics covered in the basic course, delegates will be given information on:

- EW cycle of operations
- Deployment opportunities
- Information Operations
- Battlespace Spectrum Management

This four-day course includes a mixture of theoretical and practical sessions, providing EW Managers with a deeper understanding of how to plan, deploy, report and review their actions.

Delegates attending this course should be familiar with basic military radio systems.

Our instructors

Our dedicated team of highly trained ex-military and defence engineers have over 20 years' operational experience of working in EW environments. This expertise is derived from land-based tactical roles in high threat theatres of operation worldwide. They bring a variety of job experiences, real-world applications and insight to enhance the learning process and ensure instruction is targeted to meet the needs of the customer.

Where we train

For the convenience of our customers, we provide training at either the customer's site or in our training centre in Tewkesbury. Our dedicated facility offers delegates access to in-house expertise and advanced technical equipment. The training centre is approximately 100 miles from London in the UK and easily accessible from local airports and minutes from junction 9, M5 motorway.

The next step

This brochure gives you an outline view of our SMARTSCAN Electronic Warfare training courses. For further details on these courses or how we can create a bespoke solution to meet your exact needs, please contact us.

L-3 TRL protects people worldwide from current and ever-evolving threats through market-leading defence solutions. We deliver innovative, proven technology in Electronic Warfare, Force Protection, Satellite Monitoring, Surveillance and Information Security to governments and defence agencies.

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