

# SMARTSAT

## Satellite Monitoring Solutions - Training Courses



### Overview

L-3 TRL Technology is recognised as a world-leading supplier of satellite monitoring products and systems. Our SMARTSAT solutions allow government agencies to passively monitor communications, so threats can be identified early and handled effectively.

Our strategic and tactical solutions have been designed to provide the highest levels of monitoring performance and flexibility. With systems able to monitor the Thuraya, Inmarsat, IsatPhone and VSAT networks, we can deliver the most effective solutions to meet the specific needs of our customers.

In order to utilise the full functionality of our equipment and optimise its effectiveness, we have designed dedicated training courses that provide customers with the essential skills and technical knowledge to counter threats as they arise.

Our training programmes have been created to give our customers the knowledge to operate and maintain their systems at peak operating efficiency. We specialise in providing technical training that can be tailored to meet specific customer needs in a variety of environments.

Our dedicated team 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 SMARTSAT training courses have been exclusively designed to inform customers of all aspects involved in satellite communications monitoring.

Our strategic alliances across the industry and wealth of in-house expertise provides us with the knowledge and experience to deliver high-quality training that is aligned with the latest developments in satellite communications technology.

With courses designed for the strategic or tactical user, delegates will gain invaluable knowledge in how to operate and maintain their SMARTSAT systems in the most effective manner.

Utilising the field-based expertise of our dedicated Training Team, each course combines a blend of informative, theoretical presentations with practical training, enabling our customers to realise the full potential of their systems.

We have both basic and advanced courses available as well as introductory and refresher courses; each can be tailored to suit the specific requirements of our customers.

## Operating effectively

L-3 TRL's SMARTSAT Operator's courses are tailored to the needs of the system user and provide the skills and knowledge necessary to carry out practical operating techniques and procedures.

Courses for both strategic and tactical systems are available, catering for basic and advanced user requirements. Content is tailored to suit the individual operational requirements of our customers; courses for the strategic systems follow a 'tiered' approach to ensure the knowledge and

skills are directed at the right users, from the Call Processor Operator to the System Administrator.

Delegates will gain an in-depth understanding of a range of subjects, which may include the following:

- Network theory
- Operating principles
- Hardware configuration
- Software configuration and operation

- Call processing and data analysis techniques
- System configuration and optimisation techniques

Instruction for each Operator's course will combine theoretical training with practical exercises and/or demonstrations dependant on class size.

Delegates attending the Operator's courses should be familiar with basic PC operating procedures.

## Maintaining performance

For Technicians and service personnel responsible for the maintenance of their SMARTSAT equipment, we offer maintenance training courses that will help ensure the long-term and short-term functionality of their systems.

Each course will contain information on:

- Functionality overview
- Configuration and connectivity

- Diagnostic procedures for fault rectification
- Health and safety issues

The courses will be tailored around the specific hardware requirements of our customers and enable the delegates to learn vital information through a mixture of theoretical and practical sessions based on the specifics of their systems.

L-3 TRL's SMARTSAT Maintainer's courses are suitable for Technicians from an Electrical Engineering background.

Delegates should have a working knowledge of satellite systems, radio and intermediate frequency principles as well as having basic computer skills. A sound fault-finding technique is also essential.





## Our instructors

Our dedicated team of highly trained ex-Military and defence Engineers has over 20 years' operational experience of working in the telecommunications environment. 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.

## Consultancy

Our training team have established the highest worldwide renown for determining and addressing customers' specific satellite monitoring requirements by providing proven, achievable solutions to meet the reality of any operational situation.

## 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 SMARTSAT 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 Intelligence, Surveillance and Reconnaissance (ISR), Force Protection and Information Assurance to governments and defence agencies.

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