

A fully trained and experienced EW Operational Support workforce is essential to exploiting the true potential of EW systems.

A fully trained and experienced EW Operational Support (EWOS) workforce is essential to exploiting the full potential of EW systems. MASS is the UK's leading independent provider of EWOS products and services and has, for many years, supported the UK's Defence EW Centre with specialist expertise and services. Based on the company's unique and extensive expertise in EW, MASS can offer specialist training specifically targeted to increasing combat capability by focusing on EW Operational Support, EW Systems Analysis and Countermeasure Development.

MASS has provided EW training to armed forces around the world through a mixture of formal classroom instruction and practical exercises. Each topic can be covered by the delivery of off-the-shelf courses or bespoke training programmes designed to meet specific customer requirements. Training can be conducted in the UK or at a customer's location.

MASS offers training in the following areas:

- EW Refresher training
- EW Operational Support
- EW Systems Analysis
- Threat Vulnerability Assessment and Countermeasure Development

EW Refresher

Refresher training is designed to create a firm foundation for more advanced EW training. The topics covered include:

- Introduction to EW
- Propagation factors
- Radar design principles
- Missile guidance
- EW systems
- Active jamming
- Passive countermeasures
- Platform signatures
- Threat reduction
- Electro-optic devices
- Introduction to countermeasure development
- Operators and situational awareness
- Target dynamics
- Countermeasure modelling and testing
- Engagement dynamics
- Countermeasure assessment
- Principles of military doctrine
- IR flare design
- Countermeasure tactic design

MASS (Head Office)

Grove House
Rampley Lane
Little Paxton St Neots
Cambridgeshire PE19 6EL
United Kingdom

Tel: +44 (0)1480 222600
Fax: +44 (0)1480 407366

MASS (Lincoln Office)

1 Alumina Court
Tritton Road
Lincoln
Lincolnshire LN6 7QY
United Kingdom

Tel: +44 (0)1522 502050
Fax: +44 (0)1522 690250

E-mail: systems@mass.co.uk
Web Site: www.mass.co.uk

A Cohort plc Company

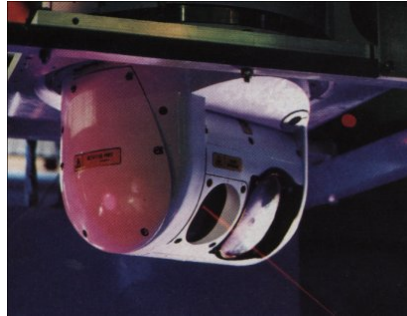


EW Operational Support

EWOS training is designed to enable personnel who operate EW systems to understand how those EW systems are supported. It examines the mission data lifecycle and how source EW intelligence is acquired, stored and used to programme EW systems. The training provides an insight into the workings of a typical EWOS centre, covering how EW reference data is managed, how EW data parameters and ambiguities are handled and how mission data sets are built and tested. Courses are delivered as a mixture of formal classroom training interspersed with practical exercises using state of the art EW database software tools.

EW Systems Analysis

EW Systems Analysis training is designed to introduce the basic characteristics of EW systems and is a valuable precursor to Countermeasure Development training. The aim is to convey an understanding of EW engineering terminology and to describe and explain the functional and behavioural characteristics of operational EW systems.



Threat Vulnerability Assessment and Countermeasure Development



Threat Vulnerability Assessment and Countermeasure Development (TVACD) training enables students to design, develop and test air-platform protection countermeasures from first principles. The student is provided with a process that takes them from the initial platform protection requirement through to producing countermeasure tactics that are ready for implementation and testing. The training material covers information extraction and verification, engagement modelling and simulation, platform susceptibility assessment, threat vulnerability assessment and countermeasure design.

TVACD training is delivered using a mixture of formal instruction in advanced EW interspersed with practical exercises and an introduction to countermeasure effectiveness assessment technology in the form of Tactical Engagement Simulation Software (TESS™). This training places considerable emphasis on the practical application of a process and can be up to six months duration. Shorter duration and bespoke training can be delivered to meet specific customer requirements.

