



Electronic Warfare Test & Evaluation Course

The Nova Systems Electronic Warfare Test and Evaluation (EWT&E) course has been developed to meet the needs of Defence personnel involved in specification, acquisition, evaluation and support of Electronic Warfare systems.

Tailored Program

The EW T&E course will introduce the relevant principles of Electronic Warfare and their application to platform self-protection against a variety of threat types. The course will provide an overview of modern Electronic Warfare Self-Protection systems and their performance expectations. Finally, students will be introduced to capability expectations of Electronic Warfare Self-Protection systems and pertinent evaluation methods.

The Electronic Warfare Test & Evaluation Course will:

- Introduce basic Electronic Warfare terminology
- Introduce the concepts of Electronic Warfare Self-Protection
- Familiarise students with the common sensors and effectors that comprise an Electronic Warfare Self-Protection suite.
- Present the test methodologies associated with evaluating Electronic Warfare Self-Protection systems
- Discuss the challenges associated with evaluating Electronic Warfare Self-Protection systems

Flexible Delivery

Nova Systems offers the flexibility to present the course at the client's preferred location. Nova can conduct the course at a range of venues, including ADF establishments. All Nova Systems staff have current security clearances.

Real-World EW T&E

Nova Systems instructors strive to tailor the presentation and examples of each course to suit the background and situation of the majority of course participants. Nova Systems has proven courses well received by all areas of Defence. Participant feedback from other Nova courses includes:

- 'Instructor willingness to ensure comprehension and answers to questions were supplemented with real life examples and anecdotes which were excellent.' - Student Critique Response OT&E Course 01/12
- 'I found this course to be of excellent value. Presentations were lively and full to the brim with relevant content. I consider the examples to be extremely useful.' - Student Critique Response OT&E Course 02/12

Intended Audience

The Nova Systems EW T&E course will benefit:

- Defence and Defence Industry Personnel
- Managers and staff from Operations, Capability, Acquisition, Engineering, and Logistics Organizations
- Test & Evaluation Specialists
- Electronic Warfare Practitioners

Nova Systems is a Registered Training Organisation

Basic Electronic Warfare Concepts

- Basic Electronic Warfare Definitions and Terms
- Threat Systems
- Basic Radar
- Radar Types
- Electro-Optic Fundamentals

Electronic Warfare Concepts and Systems

- Electronic Warfare Tree Definition and Electronic Warfare Terms
- 1-Way and 2-Way Radar Range Equations
- Sensor Engagement Cycles
- Radar Warning Sensor Basics and Systems
- Missile Warning Sensor Basics and Systems
- Laser Warning Sensor Basics and Systems
- Other Sensors
- Effector Engagement Cycles
- Signature Reduction
- Expendables Basics and Systems
- Radio Frequency Jammer Basics and Systems
- Infrared Jammer Basics and Systems
- Electronic Warfare Software Architecture
- Electronic Warfare Suite Architecture

Electronic Warfare Test & Evaluation

- Test & Evaluation Terms
- Standard Electronic Warfare Test Methodologies
- Electronic Warfare Test & Evaluation Issues
- Possible Mitigation Strategies
- Real World Experiences with Electronic Warfare Test & Evaluation

Course Details

