



Operational Test and Evaluation Course

The 5-day Nova Systems OT&E course has been developed to meet the needs of Defence personnel involved in the management, planning, conduct and reporting of operational test & evaluation programs.

Designed for Australia

The Nova Systems OT&E course has been specifically designed around the capability lifecycle within the Australian Defence environment. The course content is regularly updated to incorporate the latest Defence policies, guidance and processes associated with OT&E, including the technical and operational regulatory framework.

Nova Systems instructors have extensive, recent first-hand knowledge and experience of Australian Defence T&E programs including:

- Airborne Early Warning and Control (AEW&C) (Project Air 5077 (Wedgetail))
- Tactical UAV (Joint Project 129)
- Armed Reconnaissance Helicopter (Project Air 87)
- Additional Troop Lift Helicopter (Project Air 9000 Phase 2)
- AP-3C Update (Project Air 5276)
- Follow-On Stand-Off Weapon (Project Air 5418)
- F-111 Interim Electronic Warfare (Project Air 5391 Phase 6)
- F/A-18 Hornet Upgrade (HUG 2.3)
- Lead-In Fighter (Project Air 5367)
- Seahawk Upgrade (Project Sea 1405)
- DSTO Multi-Mission UAV Trial

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 OT&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. This culminates in a final day real-world OT&E forum for presentation and discussion of issues and approaches raised by course participants from their own OT&E activities. This has proven a valuable mechanism for applying the information presented during the course directly into each participant's current program. Participant feedback from recent 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 Course 01/13
- '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 Course 02/13

Intended Audience

The Nova Systems OT&E course will benefit:

- DMO Project Managers
- Project Office operators and engineers
- Capability Development Group staff
- T&E Managers
- OT&E test personnel
- Staff in Minor Projects

Nova Systems is a Registered Training Organisation

Detailed Course Outline

Introduction to Concepts of T&E

- Overview of Test & Evaluation
- The Fundamental Scientific Method
- The Basic T&E Process

The Defence Acquisition Process

- Capability Life Cycle System
- The Acquisition Process
- T&E during the Life Cycle
- The Regulatory Framework

T&E in Defence

- Defence T&E Policy
- Developmental T&E (DT&E)
- Acceptance T&E (AT&E)
- Operational T&E (OT&E)
- Defence T&E Agencies

Management of OT&E

- Phases of an OT&E Program
- Risk Management
- Organisational Responsibilities
- Resourcing an OT&E Program
- OT&E Personnel
- Critical Issues
- Operational Effectiveness
- Operational Suitability

OT&E Planning

- The OT&E Plan
- T&E Planning Group
- Critical Issues
- Critical Operational Issues
- Measures of Effectiveness
- Measures of Suitability
- Measures of Performance

- Thresholds
- Test Scenarios
- How Much is Enough?

Data Management

- Data Collection
- Data Storage and Archival
- Data Analysis
- Data Validity
- Errors

Conduct of OT&E

- Test Procedures
- Test Readiness Reviews
- Pre- and Post-Test Briefings
- Test Progression
- Unexpected Results
- Regression Testing
- Safety

OT&E Reporting

- Technical Report Writing
- Post-Test Reports
- Status Reports
- Problem/Occurrence Reports
- Progress/Summary Reports
- The Final Report

Real-World OT&E

- Where Reality Differs from the Theory
- OT&E during DT&E and AT&E
- System Maturity
- Balancing Schedule, Resources & Results
- Case Studies



Course Details

