



Acceptance Test & Evaluation Course

The Acceptance Test and Evaluation (AT&E) Practitioner Course is a three day short course that provides the fundamental skills and knowledge for people required to conduct Acceptance Test and Evaluation activities.

Outline of Course

The course provides theoretical and practical instruction on the application of Acceptance Test and Evaluation (AT&E) to ADF programmes. The course uses lectures as enabling knowledge, reinforced by practical activities to reinforce the theoretical concepts. Nova's highly experienced instructional team will describe the ADF acquisition process, introduce the concept of test and evaluation, and describe the development, conduct and conclusion of an AT&E programme. The course material will be brought to life by the instructors using regular case studies and real world examples to ensure that students can productively apply their knowledge to their individual workplace situations.

Target Audience

The target market for the Acceptance Test and Evaluation Course is Defence, Defence Industry and Australian Public Service personnel involved in acceptance test and evaluation, systems engineering, certification and project management of systems that will be acquired by the ADF and Defence Industry. Prospective students include practitioners, managers and their staff from Operations, Capability, Acquisition, Engineering, and Logistics organisations; as well as Test & Evaluation specialists and practitioners seeking to broaden their exposure to Acceptance Test and Evaluation requirements in an acquisition environment.

Course Performance Criteria

At the completion of the Acceptance Test and Evaluation Course, students will be able to:

- Determine AT&E project objectives and task requirements.
- Evaluate and select AT&E methods.
- Develop AT&E plans.
- Prepare for the conduct of AT&E
- Conduct AT&E
- Analyse AT&E task data
- Report AT&E results
- Finalise AT&E process
- Apply the regulatory framework governing AT&E
- Conduct risk assessment in accordance with Risk

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Management processes

Detailed Course Outline

Course Introduction

1. Introduce the concept of Test and Evaluation (T&E)

- Describe the generic T&E process.
- Describe the application of T&E in the Australian Defence Force (ADF).

2. Outline the ADF Acquisition process

- Describe the ADF Capability Life Cycle.
- Describe ADF certification required during the acquisition process.
- Describe the acquisition documentation framework.
- Describe the use of key acquisition documents.
- Describe the Verification Cross-Reference Matrix (VCRM).
- Describe the use of a VCRM in an AT&E program.
- Describe Acceptance Verification and Validation (AV&V) methods.
- Select appropriate AV&V methods for an AT&E program.
- Apply phase-based testing to reduce risk during an AT&E program.

3. Describe the development of an AT&E program

- Describe an AT&E program.
- Determine the scope of an AT&E program.
- Describe the use of AT Procedures in an AT&E program.
- Identify AT&E test resources.

4. Describe the conduct an AT&E program

- Describe the preparation for AT&E conduct.
- Describe the AT&E execution process.
- Describe the evaluation of AT&E test results.

5. Describe the conclusion of an AT&E Program

- Finalise an AT&E program.
- Compile AT&E reports.
- Describe test failure management methods.
- Determine AT&E management data requirements.
 - Case Studies (Various used throughout the course)
 - Daily Reviews and Summaries
 - Critique

Course Conduct

- The Acceptance Test and Evaluation Course is conducted at a commercial venue and includes catering
- The course material is delivered by Nova's highly qualified and experienced instructors
- The class sizes are kept deliberately small to ensure maximum participation by all students
- Full course notes are provided to students via memory stick and key hardcopy note handouts
- Completion Certificates are awarded to students who complete at least 90% of the course material and who demonstrate appropriate competence during practical exercises

Course Details

