

## Position Description

*All candidates for this position must be Australian citizens or able to meet eligibility criteria. DoD security requirements apply. General conditions of employment are documented in the People Management Manual (000AAL011)*

<b>Position Title (in full)</b>	Test and Evaluation Engineer (S/W)		
<b>Division (Corporate, Air/Land or Naval)</b>	Operations		
<b>Line report</b>		<b>Direct report</b>	Test and Acceptance Manager
<b>Location</b>	Adelaide	<b>Supervises</b>	Nil
<b>Budget</b>	Nil	<b>Tenure</b>	Full Time
<b>Delegations /Authorities</b>	Authority limits and descriptions available in Delegation of Authority (000AAT206)		

### Purpose

The Test and Evaluation Engineer (S/W) is required to participate in the planning and conduct of test and evaluation activities for the Defence Operations Division. T&E Engineering services are required to be provided at a functional organization level and program level.

### Key Responsibilities/Duties

- The primary focus of the Test and Evaluation Engineer (S/W) is software verification; however, this role includes T&E activities other than software.
  - Participate in the planning and conduct of the test and evaluation of system level requirements including those allocated to hardware, software, safety controls and procedures. This includes:
    - Reviewing System/Software/Hardware requirements for testability;
    - Developing and maintaining Tests Plans;
    - Developing and maintaining verification matrices;
    - Participation in Design Reviews, Working Groups and other forums to discuss system requirements and their verification;
    - Writing and reviewing detailed test procedures;
    - Developing and maintaining knowledge of the operational use and functional chains of the systems for the projects assigned.
    - Conducting or witnessing formal acceptance testing.
    - Maintaining effective communications with and reviewing artefacts produced by other teams, including prime and subcontractors, SW, HW, Integration, ILS and Design.
  - Develop and maintain effective working relationships with internal stakeholders including, SW, HW, Integration, ILS and Design.
  - Develop and maintain effective working relationships with external stakeholders.
  - Report to the T&A Manager/SEM/Project Manager/Project Supervisor the status and estimates to complete assigned T&E tasks.
  - Report on test and evaluation activities at key milestones during the development and delivery phases.
  - Provide feedback to development teams of problems and issues encountered during evaluation activities.
  - Comply with legislation and Company policies, processes and instructions, including those relating to non-discrimination, safety and duty of care and the quality management system
- Perform other duties as assigned.

### Qualifications/experience

#### Essential

- Tertiary qualifications in Electronics Engineering, Computer Science or related technical discipline.
- At least two years experience in the preparation of test specification, procedures, conduct and preparation of test reports.
- Experience in software engineering/design processes and practices.
- Experience with participating in Design Reviews and Working Groups to ensure verification of requirements to the satisfaction of stakeholders from diverse organisations.
- Proven ability in internal and external customer liaison.
- Demonstrated ability to apply sound engineering principles to create balanced system solutions.
- Demonstrated ability to work in a team environment and to foster cooperation within and between teams.
- Demonstrated ability to perform formal testing with customer representatives.
- Experience in the use of quality and configuration management systems.
- Experience in the Defence Industry.
- Ability to obtain an Australian Security Clearance to SECRET for the project duration.

#### Desirable

- Knowledge of SS2000 CMS and FCD Systems.
- Experience in developing and improving processes, procedures and work instructions.
- Knowledge of hardware engineering.
- Experience in the testing of equipment to military standards military standards (EMI/EMC, Noise etc).
- Experience in Cost Schedule System Reporting (CSSR) or related Earned Value Management system.

### Skills

- Excellent oral and written communication skills.
- Ability to plan, schedule and prioritise tasks, and to meet defined deadlines.
- Knowledge and experience in use of Microsoft office suit of tools.

### Competencies

- Ability to communicate and operate effectively in a team environment.
- Maintains and builds relationships with Clients/Stakeholder/Supplier/ Regulator.

### Personal attributes

- Self motivated, with the ability to conduct work without direct supervision.
- Display behaviours that reflect company values.
- Well developed interpersonal and communication skills.
- Good problem solving skills and the ability identify and act on issues proactively.
- Good organisational, scheduling and planning skills.
- Ability to work under pressure.
- Flexible and able to cope with change.
- Able to travel as required.

