



### Tier 3: IMPLEMENTATION AID

**Title:** POSITION DESCRIPTION FORM

**Identifier:** 0002241

**Revision:** 8

**Owner:** Human Resources Manager

**Effective Date:** 18 September 2009

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*To be used in accordance with the Recruitment Process (DIN: 0001921).*

**Position Title:** E1783: Systems Integration/Test Engineer Senior

**Location:** Adelaide, Australia

**Reporting to:** Integration Test and Evaluation Manager

**Direct Reports:** May supervise other team members

**Relationships:** Internal Team members as per Work Assignment(s)  
External Frequent inter-organisational and outside customer contacts on routine matters

**Special Features:** Must be eligible for CoA clearance to SECRET level.  
Required to travel interstate from time to time.

#### **Primary Responsibility:**

Plans, implements, tests, documents, and maintains solutions for the integration and testing of in-house developed and COTS/GOTS components, elements, subsystems and/or systems.

Synthesizes customer contractual needs and requirements into system test solutions that acknowledge technical, schedule and cost constraints.

Establishes functional and technical specifications and standards, solves hardware/software interface problems, defines input/output parameters, and ensures integration of the entire system or subsystem.

Reviews, evaluates and derives requirements for testability, develops and directs preparation and execution of comprehensive test plans, procedures and schedules for complete systems and/or subsystems.

Coordinates subsystem and/or system testing activities with programs and other organizations.

Performs analysis of test results and prepares comprehensive subsystem and/or system level evaluation reports which verify and validate system performance.

Writes discrepancy reports and performs integration regression testing to verify/validate incorporated fixes to software, components, subsystems and systems.

#### **Specific Functions:**

1. Working as an integral member of the radar signal processing upgrade team, the successful candidate will be required to develop project systems related deliverables to ensure all technical and quality requirements are met.
2. In performing the Systems Integration and Test role, the successful candidate will be required to

actively contribute to the development and proposal of technical solutions, the preparation of products and contributing as a member of the Integrated Development/Design Team. Will be responsible for providing high level systems design and guidance, with a focus on systems integration.

### **Qualifications/Experience/Skills**

#### **Qualifications**

##### **Minimum**

- Bachelors degree from an accredited college in a related discipline, or equivalent experience/combined education

#### **Experience**

- 5 years of professional experience as a minimum
- Experience in standard systems or software lifecycle to a documented process using standard methods and tools
- Sound knowledge and/or exposure to object oriented methodologies and the relevant technical domains

#### **Skills and abilities**

- High level of skills and experience in relevant technologies.
- Strong planning and organisational skills.
- Good supervisory skills.
- Strong problem-solving skills.
- High level of initiative in developing and improving systems and procedures
- Ability to work in a team environment.
- Ability to work autonomously in a professional environment.
- Strong verbal and written communication skills.
- Ability to resolve technical issues of a complex nature.