

POSITION DESCRIPTION

Position Title:	V&V Manager		
Business Unit:	Engineering		
Department:	Engineering		
Function:	Systems Engineering		
Reports to:	Systems Engineering Manager		
Location:	Melbourne		
Security level required:	NV1	ITAR designated:	Yes

Direct Reports:	Key Relationships: (Internal/ External)
Up to 10	Internal: Functional/Project Managers and Engineering Managers, Systems Engineers, Software Testers, Other Engineering Staff, ILS staff
Budget:	
Nil	External: Customer Project and Technical Staff, subcontractor engineering staff

The Company:	Elbit Systems of Australia Pty Ltd (ELSA) is a growing presence in the defence and law enforcement industries in Australia. A subsidiary of Elbit Systems Ltd, ELSA develops state of the art technologies and integrates them into the Australian market. ELSA's main business is Systems Integration for the Australian Defence Force (ADF), with an emerging presence in the law enforcement, intelligence and cyber markets.
Your mission:	Provide overarching Verification and Validation services to projects from the initiation stage planning, followed by development of the verification and validation tasks, through to finalisation of the Verification and Validation reports. Shape the requirements, design, integration and verification of system of systems within a dynamic, multinational company providing cutting edge technology to the Australian Defence Forces. Lead your team and provide guidance and subject matter expertise to Systems and V&V engineers as well as project engineering managers and senior engineering management.

Core Responsibilities: (including % weighting)	Key Tasks:	Expected Results:
Verification and Validation Team Support (70%)	<ul style="list-style-type: none"> • Write and maintain V&V plans • Review requirements for testability • Develop and implement test plans and procedures • Liaise with subcontractors and design engineers to review test plans and procedures • Support customer operational test activities • Develop test reports in accordance with V&V plans and customer requirements • Maintain a VCRM for full requirement traceability • Document all test failures and observations • Plan and manage configuration control of the systems under test and associated test environment 	<ul style="list-style-type: none"> • Delivering against commitments of time, cost and quality • Documentation and testing completed fully supporting the project V&V program

	<ul style="list-style-type: none"> • Work with Project Engineer Manager (PEM) to determine priorities across the projects 	
Systems Engineering Project Activities (30%)	<ul style="list-style-type: none"> • Identify and quantify system goals and capabilities. • Analyse and elicit customer needs and required functionality, documenting and managing requirements. • Undertake design trade studies and System performance analysis. • Requirement specification and traceability of systems, sub-systems and products. • Interfaces definition and design. • Verification that the design is properly built and integrated including post-implementation assessment of how well the system meets its goals. • Planning and estimating systems engineering work. • Support to other functions such as Production, ILS, Commercial, Project Management • Ensure compliance with standards and regulations • Responsible for exercising individual knowledge, skills, initiative and professional judgement in order to resolve issues and problems with project scope. • Working within a recognised systems engineering framework based on standards such as ANSI/EIA-632, SCRUM, ISO/IEC 15288 or the INCOSE Systems Engineering Handbook. 	<ul style="list-style-type: none"> • Delivering against commitments of time, cost and quality • Delivering products that are safe, fit for purpose and environmentally compliant • Accurate capturing of design in design artefacts

Occupational / Work Health & Safety Responsibilities:

- Take reasonable care to ensure personal safety and health and that of others in the work place
- Observe all safe working practices and use personal protective equipment as required
- Report and maintain recording of ALL accidents, incidents and hazardous situations
- Promote and maintain ELSA values; Customer Focus; Employee Excellence; Innovation and Creativity; Teamwork; Accountability ; Ethical Conduct

Training & Qualifications:	
Essential: <ul style="list-style-type: none"> • Tertiary qualification in Engineering or Systems analysis 	Desirable: <ul style="list-style-type: none"> • Software development background • Vehicle platform integration background • Communication systems background • IT certification.

Work Experience & Industry Knowledge:	
Essential: <ul style="list-style-type: none"> • 5+ years' of Systems Engineering lifecycle experience • Active testing, evaluation, verification and validation (V&V) activities for 2 years • Writing and maintaining test plans for large scale, multidisciplinary projects • Developing test procedures, V&V analysis reports and test reports • People management of engineering personnel • Requirements management and traceability. • Resolving requirement ambiguity • Documenting design decisions and undertaking trade studies • Integration of software intensive systems • Experience with system engineering documentation, including: <ul style="list-style-type: none"> ○ Verification and Validation Plans ○ Acceptance Test Plans, Procedures and Reports ○ Requirement Traceability Matrices, VCRM ○ Engineering Change Proposals/Orders • Microsoft Office Suite (Word, Excel, Power Point). 	Desirable: <ul style="list-style-type: none"> • Defence systems engineering within a technical regulation framework • Land System Projects • Communications and electronics testing, including E3 testing • Systems Integration across domains • Military operations (HMI design, human factors aspects, C4I experience) • Application of Systems Safety • Human Machine Interface (HMI) design • Resolving physical and electrical interface design issues • Network and systems topology • Principles of Configuration Management and its application • Use of a requirements management tools • Experience in DOORS DXL Scripting Language.

Competencies & Skills:	
Essential: <ul style="list-style-type: none"> • Dedicated and goal driven • Working across multiple engineering disciplines • Strong written and verbal interpersonal communication ability • Understanding of systems engineering concepts and practises • Presentation ability (customer facing) 	Desirable: <ul style="list-style-type: none"> • Requirements Management Tools (DOORS preferred) • CPEng. registration. • Configuration Management Tools • HP ALM (Quality Center) • Automated testing tools