



POSITION DESCRIPTION

Position:	HMI Software Engineer – Defence Operations Australia
Reports To:	HMI Software Team Leader
Supervises:	Not Applicable
Location:	Adelaide
Tenure:	Full Time
Conditions:	Normal company terms and conditions apply Some interstate and overseas travel may be required.
Authority:	<i>Authority limits are defined in the Company Policies and Administrative Procedures (901AAT003).</i>

General Responsibility:	<p>The Human Machine Interface (HMI) Software Engineer's main focus will be on the design, development, documentation and testing of HMI software components within Defence Operations Australia.</p> <p>These activities will be performed under the guidance and direction of the appropriate Group Technical Authority to satisfy the safety, certification and design authority requirements of the company and the naval technical regulatory framework.</p>
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Specific Areas of Responsibility:	<p>The specific areas of responsibility for assigned tasks will include, but not be limited to, the following:</p> <ul style="list-style-type: none">• Participate in HMI Working Groups and other forums with customers and end users to discuss and agree HMI designs and explore HMI improvement opportunities.• Develop and maintain knowledge about contemporary HMI standards, principles and best practices.• Participate in the development and maintenance of the ANZAC and LHD variants of HMI components and the resolution of associated problem reports both internally and with Defence Operations Sweden if necessary.• Develop a detailed understanding of the operational use of both the ANZAC and the LHD Combat Management Systems HMI.• Provide estimates to the team schedule, and notify of any schedule variance to the HMI Team Leader.• Status assigned scheduled tasks to the HMI Team Leader.• Produce all artefacts required for deliverables and internal reviews.• Develop and maintain good working relationships with internal and external stakeholders including Defence Operations Sweden, Design team, Integration team, Combat System Integration team,
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Test team and Integrated Logistics Support team.

- Comply with Company policies, processes and instructions, including those relating to equal opportunity, safety, duty of care and the quality management system.

Customer Contacts

- *Internal* – HMI Software Team Leader, Software teams, System Design team, Integration team, CSI team and ILS team.
- *External* – Customer representatives, end users and other stakeholders.

Qualifications and Experience:

Essential

- Tertiary qualifications in systems engineering, computer science, or related technical discipline.
- Experience in *several* of the following areas:
 - C++ and/or Ada;
 - Real time systems / software;
 - HMI development and prototyping;
 - Software Configuration Management Tools.
- Experience in producing and reviewing technical documentation.
- Experience working within a team environment.

Desirable

- A genuine interest in, and appreciation of, the significance of HMI in the context of a Combat Management System.
- Experience with Combat Management Systems;
- Experience with the Saab 9LV Combat Management System.
- Understanding of the lifecycles of defence projects.
- Experience with Microsoft® Visual Studio®, GNAT Programming Studio, IBM® Rational® ClearCase® and IBM® Rational® Clearquest®.
- Experience in the interpretation and application of military standards.

Personal Qualities:

- Well-developed communication skills (both written and oral).
 - Ability to work with others in a team environment, including sharing knowledge and experiences.
 - Ability to plan, schedule, prioritize tasks and to meet deadlines.
 - Ability to work under pressure.
 - Good problem solving skills and the ability to develop creative and innovative alternative solutions.
 - Ability to adapt to new tasks, technologies, processes and
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procedures.

- Customer focussed.
 - Display behaviours, which reflect company values.
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Note: *To comply with Defence Industry security requirements, candidates for the position must be Australian citizens or able to meet citizen eligibility requirements.*