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| **Title** | **RM&T Engineer** |
| **Band** | **Individual Contributor – Professional** |
| **Grade** | **P2 - Intermediate** |
| Job Family | ILS |
| Reporting To | Senior Supportability Modeller |
| Location |  Hybrid - Oakdale  |

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| **Position Objective** |
| This is an opportunity for you to contribute to our Integrated Logistics Support (ILS) function as a Reliability, Maintainability and Testability (RM&T) Engineer. You will play a key role in ensuring the optimal performance, availability, and efficiency of our systems and assets.The RM&T Engineer will support the development of models to quantify product and system performance and make recommendations to optimise reliability and availability, whilst balancing cost considerations. On an average day you will be involved in the management and planning of RM&T activities for new products, executing the analyses and documenting them in associated case reports as well as the monitoring and reporting on the in-service reliability performance of equipment. You will provide support to ILS programme meetings and reviews and represent RM&T status to the wider business |

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| **Generic Level Description** |
| General Accountabilities | Applies academic knowledge to job/role accountabilities; provides support on specific portions of larger projects/work assignments |
| Supervision Required or Provided to Others | Works under general supervision; begins to put forward ideas on how work assignments can be executed; receives detailed instructions on new projects or assignments. |
| Complexity | Works on problems of moderate scope where analysis of situations or data requires a review of a variety of factors. Exercises judgment within defined procedures and practices to determine appropriate action. |
| Knowledge and Technical Expertise | Developing professional expertise; applies company policies and procedures to resolve a variety of issues. Applies knowledge/skills to a variety of standard day to day activities. Deepens knowledge/skills in one area or broadens ability over a variety of skills.  |
| Problem Solving | Identifies the problem and all relevant issues in straightforward situations; generates possible solutions, assesses each using standard procedures and makes a sound decision |
| Planning & Organizing | Prioritizes and organizes own work to deliver to agreed deadlines. |
| Project Management Accountabilities | Begins to manage projects; may be asked to review work delivered by external suppliers |
| Decision Making and Autonomy | Works independently on details of assignments, but has limited decision-making authority; most decisions made or guided by immediate supervisor |
| Client/Business Orientation | Becomes more self-directed in dealing with internal and external clients and responds to requests in non-standard situations, investigating all the facts. Understands the key business drivers; uses this knowledge to focus on own work. Works to control costs related to own work. |
| Communication, Negotiation and Influencing | Probes and listens carefully, presents information clearly and in appropriate style, makes technical information clear, persuades others in straightforward situations. |
| Leadership Requirements | Takes initiative in learning about the organization, and develops external contacts; actively seeks information and guidance to improve own performance; contributes as a team member, and takes responsibility for own work commitments |
| Key Contacts | Builds internal relationships with others outside of own work group or team particularly with internal customers; begins to interact with external contacts on own; begins to initiate information exchanges |

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| **Discipline Description** |
| Responsibilities Include | * To support the generation of reliability artefacts required for supportability engineering such as RM&T Plans and Case Reports
* To contribute to the undertaking of RM&T analyses activities such as:
	+ Reliability predictions
	+ Failure Mode, Effects & Criticality Analysis (FMECA)
	+ Reliability Centered Maintenance Analysis (RCM)
	+ Reliability Block Diagrams
	+ Fault Tree Analysis
	+ Reliability Growth Analysis
* To support reliability analysis for new products and highlight areas of concern that require reliability growth
* To support Project Design Authorities in achieving compliance with Legislation, Regulations and Standards applicable to the product(s).
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| **Knowledge, Skills & Abilities** |
| Required Skills & Abilities | *Essential:** Excellent problem-solving and analytical skills
* Excellent written and verbal communication skills
* Excellent attention to detail

*Desirable:** Ability to develop Product, Software and System level Reliability Predictions using industry standard techniques
* Ability to undertake FMECA at system, hardware and software levels
* Good understanding of Reliability Centered Maintenance and the derivation of preventative maintenance tasks
* Proficiency in Reliability concepts and techniques, e.g. Fault Tree, Reliability Block Diagrams
* Proficient in the use of MATLAB or equivalent modelling software
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| **Education & Experience** |
| Required Education & Experience | *Essential:** *Degree in a relevant numerate discipline such as Engineering or Mathematical subject*

*Desirable:** *Experience in the implementation and delivery of Product, Software and System Reliability Engineering activities*
* *Familiarity with ILS and RM&T Defence standards and Military standards:*
	+ *Def Stan 00-040,000-42, 00-045, 00-600*
	+ *BS EN IEC 60812*
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