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| **Title** | **Systems Engineer** |
| **Band** | **Individual Contributor – Professional** |
| **Grade** | **P2 - Intermediate** |
| Job Family | Engineering |
| Reporting To |  |
| Location | Oakdale / Hybrid |

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| **Position Objective** |
| This role is for a Systems Engineer to work as part of the Design Services Contract (DSC) team to develop and maintain complex Windows-based tactical C4i communication systems.  The role will include supporting and leading tasks at different stages in the engineering lifecycle to deliver solutions that meet customer needs to a defined quality standard within agreed timescales and budgets. |

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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 | * Deliver assigned tasks to produce or upgrade bespoke Windows based Operating Systems terminal builds for tactical C4I systems*:*   + Analysing and defining task requirements   + System & Software development   + Problem investigation and resolution   + Input to internal and external meetings * Analysing and debugging software integration issues on target hardware and software environments. * Undertaking and supporting product and integration test activities. * Provide support and guidance to:   + Programme Manager   + Task Lead Engineer   + Software Dev & Testing   + System Integration   + Specialist Engineering Areas (inc. Safety, Security, ILS) * Complying with company/corporate procedures and mandatory training |

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| **Knowledge, Skills & Abilities** | |
| Required Skills & Abilities  Desired Skills & Abilities | * *Good understanding and experience of Windows based OS systems, supporting and developing Tactical C4I Systems; knowledge of the BCIP system is desirable.* * *Microsoft Windows Platform development experience including a good understanding of Windows Operating System architecture (including 64-bit), development frameworks, services, and security features.* * *Excellent analytical and problem solving skills.* * *Ability to generate well-written, precise instructions for the installation of applications.* * *Good Powershell scripting skills.* * *High attention to detail, with strong configuration control.* * *Ability to present at progress reviews and contribute productively in the team and with other stakeholders.* * *Capable of analysing and debugging software integration issues on target hardware and software environments.* * *Demonstrates good written, verbal and interpersonal communication skills as well as motivation, integrity, professionalism, flexibility, commitment and innovation.* * *Multi-faceted engineer. Build production skills plus other relevant experience (e.g. Software Test, Test Automation, Systems Integration).* * *Experience with HPQC/ALM* |

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| **Education & Experience** | |
| Required Education & Experience | * *Appropriate Educational qualification, knowledge and Vocational background in an Engineering (system, hardware, software, electronic communications, and computer systems) or related discipline.* * *Demonstrates an understanding of the challenges associated with system engineering in a delivery focused, commercially successful organization.* * *Extensive knowledge of Windows based Operating Systems, including Administrator level configuration.* * *Experience of using engineering methodologies and tools to manage system development (HP Application Lifecycle Management, Powershell, Windows ADK and WSUS systems) at an appropriate level of detail is desirable* * *Experience of working through the Systems Engineering Life cycle.* |