**ATTACHMENT 2**

**STATEMENT OF WORK**

|  |  |
| --- | --- |
| **Nominated Candidate** |  |
| **Role** | System Engineer – Multiple positions |
| **Contract Commencement Date** | ASAP |
| **Contract Expiry Date** | Contract Terms between 12 and 24 months will be considered |
| **Purpose of Services:** | Professional Services (Clause 7.11) |
| **Role Description** | SIGINT and Network Operations Group – Systems Project Office (SNO-SPO) within the Australian Signals Directorate (ASD), will deliver cutting edge capabilities to Defence through a variety of different programmes and projects. To facilitate this ASD has a requirement for a Systems Engineer.The System Engineer will be responsible for undertaking responsibilities to deliver a range of hosting platforms fit for customer use cases. The system engineering’s role will include stakeholder engagement to establish use cases, systems design, configuration management, orchestrated deployment, monitoring, system upgrade and sustainment. A degree of mentoring of peers throughout this scope of work.The system engineer will also provide architectural advice as a subject matter expert to guide customers on the best practice use of the hosting platforms. Occasionally they will be required to assist troubleshooting with customers where expert knowledge is required. |
| **SFIA Level of Responsibility Required** *Description Below* | The Specified Person will be expected to demonstrate attributes of SFIA Level of Responsibility LOR 5 |
| **SFIA Skills Required***Description Below* | DESN 5BUAN 5REQM 4SEAC 5 |
| **Other Skills and Knowledge** | **Statement of Suitability Against Other Skills and Knowledge** |
| Not Applicable |  |
| **Major Responsibilities:**  | **Statement of Suitability Against Major Responsibilities** |
| 1. Develop systems engineering documentation, system designs, and systems maintenance plans and configuration management plans. Contribute to project plans ticketing systems and project timelines.
 |  |
| 1. Deploy hosting platforms in a scale-able and sustainable and method. Control source code and maintain consistency in standards across the portfolio of platforms.
 |  |
| 1. Patch and upgrade existing hosting platforms to improve security standards and provide new feature to customers which are available to the wider industry
 |  |
| 1. Undertake stakeholder engagement to identify business needs. Share knowledge with stakeholder including giving architectural overviews, presentation and responses to requested architectural advice.
 |  |
| 1. Work with industry partners under direction of the team lead to guide and integrate external packages into the environment.
 |  |
| 1. Conduct system monitoring and UAT testing to forecast expansion and provide fore-warning or rapid response to system failures.
 |  |
| **Other Features of the Role (e.g. location, travelling, shift hours,)** | **Service Provider Response** |
| 1. The role is based in Canberra with minimal to no travel
 |  |
| Prepared by: Darrell MaloneDate: 17/12/2020Authorised by: Travis Alexander / Tarrant Marshall |
| **SFIA Core Competencies** |
| **SFIA Level Of Responsibility (LOR 5)**  |
| **Autonomy** | Works under broad direction. Work is often self-initiated. Is fully responsible for meeting allocated technical and/or project/supervisory objectives. Establishes milestones and has a significant role in the assignment of tasks and/or responsibilities. |
| **Influence** | Influences organisation, customers, suppliers, partners and peers on the contribution of own specialism. Builds appropriate and effective business relationships. Makes decisions which impact the success of assigned work, i.e. results, deadlines and budget. Has significant influence over the allocation and management of resources appropriate to given assignments. |
| **Complexity** | Performs an extensive range and variety of complex technical and/or professional work activities. Undertakes work which requires the application of fundamental principles in a wide and often unpredictable range of contexts. Understands the relationship between own specialism and wider customer/organisational requirements. |
| **Business skills** | Advises on the available standards, methods, tools and applications relevant to own specialism and can make appropriate choices from alternatives. Analyses, designs, plans, executes and evaluates work to time, cost and quality targets. Assesses and evaluates risk. Communicates effectively, both formally and informally. Demonstrates leadership. Facilitates collaboration between stakeholders who have diverse objectives. Takes all requirements into account when making proposals. Takes initiative to keep skills up to date. Mentors colleagues. Maintains an awareness of developments in the industry. Analyses requirements and advises on scope and options for continuous operational improvement. Demonstrates creativity, innovation and ethical thinking in applying solutions for the benefit of the customer/stakeholder. |
| **SFIA Professional Skill Level Description**  |
| **BUAN 5** | Takes responsibility for investigative work to determine business requirements and specify effective business processes, through improvements in information systems, information management, practices, procedures, and organisation change. Applies and monitors the use of modelling and analysis tools, methods and standards, giving special consideration to business perspectives. Collaborates with stakeholders at all levels, in the conduct of investigations for strategy studies, business requirements specifications and feasibility studies. Prepares business cases which define potential benefits, options for achieving these benefits through development of new or changed processes, and associated business risks. |
| **REQM 4** | Facilitates scoping and business priority setting for large or complex changes, engaging senior stakeholders as required. Selects the most appropriate means of representing business requirements in the context of a specific change initiative. Drives the requirements elicitation process where necessary, identifying what stakeholder input is required. Obtains formal agreement from a large and diverse range of potentially senior stakeholders and recipients to the scope and requirements, plus the establishment of a base-line on which delivery of a solution can commence. Takes responsibility for the investigation and application of changes to programme scope. Identifies the impact on business requirements of external impacts affecting a programme or project. |
| **DESN 5** | Specifies and designs large or complex systems. Selects appropriate design standards, methods and tools, consistent with agreed enterprise and solution architectures and ensures they are applied effectively. Reviews others' systems designs to ensure selection of appropriate technology, efficient use of resources, and integration of multiple systems and technology. Contributes to policy for selection of architecture components. Evaluates and undertakes impact analysis on major design options and assesses and manages associated risks. Ensures that the system design balances functional, service quality, security and systems management requirements. |
| **SEAC 5** | Engages with technical design and project managers or Project Management Office, to ensure correct products are produced, in a timely fashion. Evaluates the quality of project outputs against agreed service acceptance criteria. |

**ATTACHMENT 3**

**STATEMENT OF WORK**

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| --- | --- |
| **Nominated Candidate** |  |
| **Role** | Systems Engineer – Multiple positions |
| **Contract Commencement Date** | ASAP  |
| **Contract Expiry Date** | Contract terms between 12 and 24 months will be considered |
| **Purpose of Services:** | Professional Services (Clause 7.11) |
| **Role Description** | SIGINT and Network Operations Group – Systems Project Office (SNO-SPO) within the Australian Signals Directorate (ASD), will deliver cutting edge capabilities to Defence through a variety of different programmes and projects. To facilitate this ASD has a requirement for a System Engineer.The System Engineer within a clear framework of accountability, will be responsible for undertaking systems engineering activities to support the delivery of SNO-SPO projects. The System Engineer activities will include, but not be limited to, business analysis, systems design, and test and evaluation activities. There is also a requirement for prototyping of some ICT concepts and administration of systems. |
| **SFIA Level of Responsibility Required** *Description Below* | The Specified Person will be expected to demonstrate attributes of SFIA Level of Responsibility 4 (LOR 4) |
| **SFIA Skills Required***Description Below* | DESN 4BUAN 4REQM 3 |
| **Other Skills and Knowledge** | **Statement of Suitability Against Other Skills and Knowledge** |
| 1. Experience undertaking prototyping work with an understanding of database design, ActiveMQ or similar products, and programming skills.
 |  |
| **Major Responsibilities:** | **Statement of Suitability Against Major Responsibilities** |
| 1. Undertake business analysis activities with a diverse customer set to identify business needs, including conducting surveys, interviews and structured workshops.
 |  |
| 1. Analyse business needs to produce requirements, synthesise requirements to produce designs, conduct and evaluate trade-offs between various designs and requirements. Synthesise requirements into ICT designs.
 |  |
| 1. Prototyping of some of the ICT concepts derived from the requirements gathering process.
 |  |
| 1. Plan and conduct test and evaluation activities during system and sub-system Test and Evaluation events.
 |  |
| 1. Work cohesively and flexibly with the broader program team and stakeholder groups.
 |  |
| **Other Features of the Role (e.g. location, travelling, shift hours,)** | **Service Provider Response** |
| 1. The role is based in Canberra with minimal to no travel.
 |  |
| Prepared by: Darrell MaloneDate: 17/12/2020Authorised by: Travis Alexander |
|  |
| **SFIA Level Of Responsibility Level 4 (LOR 4)**  |
| **Autonomy** | Works under general direction within a clear framework of accountability. Exercises substantial personal responsibility and autonomy. Plans own work to meet given objectives and processes. |
| **Influence** | Influences customers, suppliers and partners at account level. May have some responsibility for the work of others and for the allocation of resources. Participates in external activities related to own specialism. Makes decisions which influence the success of projects and team objectives |
| **Complexity** | Work includes a broad range of complex technical or professional activities, in a variety of contexts. Investigates, defines and resolves complex issues. |
| **Business skills** | Selects appropriately from applicable standards, methods, tools and applications. Communicates fluently, orally and in writing, and can present complex information to both technical and non-technical audiences. Facilitates collaboration between stakeholders who share common objectives. Plans, schedules and monitors work to meet time and quality targets. Rapidly absorbs new information and applies it effectively. Maintains an awareness of developing technologies and their application and takes some responsibility for driving own development. |
| **SFIA Professional Skill Level Description**  |
| **DESN 4** | Recommends/designs structures and tools for systems which meet business needs and takes into account target environment, performance & security requirements and existing systems. Delivers technical visualisation of proposed applications for approval by customer and execution by system developers. Translates logical designs into physical designs, and produces detailed design documentation. Maps work to user specification and removes errors and deviations from specification to achieve user-friendly processes. |
| **BUAN 4** | Investigates operational requirements, problems, and opportunities, seeking effective business solutions through improvements in automated and non-automated components of new or changed processes. Assists in the analysis of stakeholder objectives, and the underlying issues arising from investigations into business requirements and problems, and identifies options for consideration. Works iteratively with stakeholders, to identify potential benefits and available options for consideration, and in defining acceptance tests. |
| **REQM 4** | Facilitates scoping and business priority-setting for change initiatives of medium size and complexity. Contributes to selection of the most appropriate means of representing business requirements in the context of a specific change initiative, ensuring traceability back to source. Discovers and analyses requirements for fitness for purpose as well as adherence to business objectives and consistency, challenging positively as appropriate. Obtains formal agreement by stakeholders and recipients to scope and requirements and establishes a base-line on which delivery of a solution can commence. Manages requests for and the application of changes to base-lined requirements. Identifies the impact on business requirements of interim (e.g. migration) scenarios as well as the required end position. |

**ATTACHMENT 4**

**STATEMENT OF WORK**

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| --- | --- |
| **Nominated Candidate** |  |
| **Role** | System Engineer – Multiple Positions  |
| **Contract Commencement Date** | ASAP  |
| **Contract Expiry Date** | Contract terms between 12 and 24 months will be considered. |
| **Purpose of Services:** | Professional Services (Clause 7.11). |
| **Role Description** | SIGINT and Network Operations Group – Systems Project Office (SNO-SPO) within the Australian Signals Directorate (ASD), will deliver cutting edge capabilities to Defence through a variety of different programmes and projects. To facilitate this ASD has a requirement for a System Engineer.The System Engineer will be accountable under general direction to manage complex activities and tasks relating to requirements development, system definition, design and development, integration, verification and validation. The role will facilitate planning, organisation, integration and delivery of complex systems engineering services and products.The role will need systems engineering skills and a proven ability to work within an integrated team of technical and non-technical personnel. |
| **SFIA Level of Responsibility Required (***Description Below)* | The Specified Person will be expected to demonstrate attributes of SFIA Level of Responsibility 4. |
| **SFIA Skills Required***Description Below* | DESN 4 USEV 4UNAN 3ITOP 3  |
| **Other Skills and Knowledge** | **Statement of Suitability Against Other Skills and Knowledge** |
| 1. Not applicable.
 |  |
| **Major Responsibilities:**  | **Statement of Suitability Against Major Responsibilities** |
| 1. Provide engineering services to all aspects of the system development lifecycle.
 |  |
| 1. Analyse complex systems and apply engineering expertise to identify and recommend courses of action.
 |  |
| 1. Escalate issues and seek advice from the Project Director and or Project Tranche Manager or Engineering Manager in a timely manner.
 |  |
| 1. Contribute to external contract development including identification of approval and verification gates.
 |  |
| 1. Participate in the review of externally developed test plans and procedures to ensure integration with requirements and verification processes.
 |  |
| 1. Engage with relevant stakeholders in documentation development.
 |  |
| 1. Resolve issues and or problems that arise during the course of capability development projects.
 |  |
| 1. Assist in the continuous improvement process by developing and enhancing procedures.
 |  |
| **Other Features of the Role (e.g. location, travelling, shift hours,)** | **Service Provider Response** |
| 1. The role is based in Canberra with minimal travel.
 |  |
| Prepared by: Darrell MaloneDate: 22/12/2020Authorised by: Travis Alexander |
| **SFIA Core Competencies** |
| **SFIA Level Of Responsibility 4**  |
| **Autonomy** | Works under general direction within a clear framework of accountability. Exercises substantial personal responsibility and autonomy. Plans own work to meet given objectives and processes. |
| **Influence** | Influences customers, suppliers and partners at account level. May have some responsibility for the work of others and for the allocation of resources. Participates in external activities related to own specialism. Makes decisions which influence the success of projects and team objectives. |
| **Complexity** | Work includes a broad range of complex technical or professional activities, in a variety of contexts. Investigates, defines and resolves complex issues. |
| **Business skills** | Selects appropriately from applicable standards, methods, tools and applications. Communicates fluently, orally and in writing, and can present complex information to both technical and non-technical audiences. Facilitates collaboration between stakeholders who share common objectives. Plans, schedules and monitors work to meet time and quality targets. Rapidly absorbs new information and applies it effectively. Maintains an awareness of developing technologies and their application and takes some responsibility for driving own development. |
| **SFIA Professional Skill Level Description**  |
| **DESN 4** | Recommends/designs structures and tools for systems which meet business needs and takes into account target environment, performance & security requirements and existing systems. Delivers technical visualisation of proposed applications for approval by customer and execution by system developers. Translates logical designs into physical designs, and produces detailed design documentation. Maps work to user specification and removes errors and deviations from specification to achieve user-friendly processes. |
| **USEV 4**  | Plans and performs all types of evaluation, in order to check that stakeholder and organisational requirements have been met, choosing between formative and summative usability tests. Selects and administers moderated or unmoderated usability tests. Tests developing systems to ensure compatibility with user requirements, tasks and environment, as defined in agreed specifications. Checks systems in use for changes in organisational, user, other stakeholder, and usability needs and to ensure that these needs continue to be met. Assesses the stability of requirements against changes in context of use. Interprets and presents results of evaluations to design team(s), prioritising usability issues. |
| **UNAN 3** | Identifies and engages with users/ stakeholders, defines relevant characteristics (e.g. “personas”) and describes users goals and tasks (e.g. as “user stories”). Describes the environment within which the system will be used. Identifies and describes requirements of users with special needs (e.g. resulting from physical disabilities). |
| **ITOP 3**  | Carries out agreed operational procedures, including network configuration, installation and maintenance. Uses network management tools to collect and report on network load and performance statistics. Contributes to the implementation of maintenance and installation work. Uses standard procedures and tools to carry out defined system backups, restoring data where necessary. Identifies operational problems and contributes to their resolution. |

**ATTACHMENT 5**

**STATEMENT OF WORK**

|  |  |
| --- | --- |
| **Nominated Candidate** |  |
| **Role** | System Engineer – Multiple positions |
| **Contract Commencement Date** | ASAP  |
| **Contract Expiry Date** | Contract terms from 12 to 24 months will be considered. |
| **Purpose of Services:** | Professional Services (Clause 7.11) |
| **Role Description** | SNO-SPO will deliver cutting edge capabilities to Defence through a variety of different programmes and projects. To facilitate this, the Australian Signals Directorate (ASD) has a requirement for a System Engineer. The System Engineer will be responsible for the design, integration, testing and documentation of engineering subsystems under general direction and guidance. They will require an understanding of the ASD environment, processes and procedures and are required to take this into account when designing subsystems. The system engineer will be required to work across a variety of disciplines including mechanical design, thermal design and modelling, ICT infrastructure, ICT security and embedded systems development. They will be required to take broad customer requirements and develop the appropriate project documentation. |
| **SFIA Level of Responsibility Required** *Description Below* | The Specified Person will be expected to demonstrate attributes of SFIA Level of Responsibility LOR 4 |
| **SFIA Skills Required***Description Below* | DESN 4PROG 4ASUP 4 |
| **Other Skills and Knowledge** | **Statement of Suitability Against Other Skills and Knowledge** |
| 1. Demonstrated experience creating and updating technical documentation and operating procedures.
 |  |
| 1. Demonstrated experience working with virtualisation technologies.
 |  |
| 1. Demonstrated experience monitoring and actioning security alerts and incidents.
 |  |
| 1. Ability to maintain and upgrade device software, firmware versions, racking, cabling and labelling of current and new infrastructure.
 |  |
| **Major Responsibilities:** | **Statement of Suitability Against Major Responsibilities** |
| 1. Implement network design on Cisco and Juniper platforms.
 |  |
| 1. Linux development, which may include developing and configuring a Linux environment, installing operating systems and maintaining a Linux system.
 |  |
| 1. Using Python, Puppet and Ansible to enhance and support automation and continuous deployment for existing systems. Using GitLab to facilitate continuous system configuration deployments. Recommend/design new structures and tools which meet business requirements and take into account the target environment. Implement and maintain automated testing.
 |  |
| 1. Monitor systems and infrastructure using products including Splunk and technologies including Syslog and SNMP traps. Provide assistance with support requests, fix and troubleshoot issues.
 |  |
| 1. Provide feedback to implementation and design aspects. Translate logical designs into physical designs. Assist in the continuous improvement process by developing and enhancing procedures. Design, support and update documentation including standard operating procedures and detailed design documentation.
 |  |
| 1. Provide guidance and direct the work of other team members.
 |  |
| **Other Features of the Role (e.g. location, travelling, shift hours,)** | **Service Provider Response** |
| 1. The role is based in Canberra with minimal to no travel.
 |  |
| Prepared by: Darrell MaloneDate: 17/12/2020Authorised by: Travis Alexander |
| **SFIA Core Competencies** |
| **SFIA Level Of Responsibility Level 4**  |
| **Autonomy** | Works under general direction within a clear framework of accountability. Exercises substantial personal responsibility and autonomy. Plans own work to meet given objectives and processes. |
| **Influence** | Influences customers, suppliers and partners at account level. May have some responsibility for the work of others and for the allocation of resources. Participates in external activities related to own specialism. Makes decisions which influence the success of projects and team objectives |
| **Complexity** | Work includes a broad range of complex technical or professional activities, in a variety of contexts. Investigates, defines and resolves complex issues. |
| **Business skills** | Selects appropriately from applicable standards, methods, tools and applications. Communicates fluently, orally and in writing, and can present complex information to both technical and non-technical audiences. Facilitates collaboration between stakeholders who share common objectives. Plans, schedules and monitors work to meet time and quality targets. Rapidly absorbs new information and applies it effectively. Maintains an awareness of developing technologies and their application and takes some responsibility for driving own development. |
| **SFIA Professional Skill Level Description**  |
| **DESN 4** | Recommends/designs structures and tools for systems which meet business needs and takes into account target environment, performance & security requirements and existing systems. Delivers technical visualisation of proposed applications for approval by customer and execution by system developers. Translates logical designs into physical designs, and produces detailed design documentation. Maps work to user specification and removes errors and deviations from specification to achieve user-friendly processes. |
| **PROG 4** | Designs, codes, tests, correct and documents complex programs and scripts from agreed specifications, and subsequent iterations, using agreed standards and tools, to achieve a well-engineered result. Takes part in reviews of own work and leads reviews of colleagues' work. |
| **ASUP 4** | Maintains application support processes, and checks that all requests for support are dealt with according to agreed procedures. Uses application management software and tools to investigate issues, collect performance statistics and create reports. |

**ATTACHMENT 6**

**STATEMENT OF WORK**

|  |  |
| --- | --- |
| **Nominated Candidate** |  |
| **Role** | System Engineer / Splunk Architect - multiple positions  |
| **Contract Commencement Date** | ASAP  |
| **Contract Expiry Date** | Contract terms between 12 and 24 months will be considered. |
| **Purpose of Services:** | Professional Services (Clause 7.11) |
| **Role Description** | SIGINT and Network Operations Group – Systems Project Office (SNO-SPO) within the Australian Signals Directorate (ASD), will deliver cutting edge capabilities to Defence through a variety of different programmes and projects. To facilitate this ASD has a requirement for a System Engineer / Splunk Architect.The System Engineer / Splunk Architect will be responsible for the design, integration, testing and documentation of engineering subsystems under general direction and guidance. They will require an understanding of the ASD environment, processes and procedures and are required to take this into account when designing subsystems. The system engineer / Splunk Architect will be required to work across a variety of disciplines including mechanical design, thermal design and modelling, ICT infrastructure, ICT security and embedded systems development. They will be required to take broad customer requirements and develop the appropriate project documentation. |
| **SFIA Level of Responsibility Required (***Description Below)* | The Specified Person will be expected to demonstrate attributes of SFIA Level of Responsibility 4 |
| **SFIA Skills Required***Description Below* | DESN 4PROG 4ASUP 4 |
| **Other Skills and Knowledge** | **Statement of Suitability Against Other Skills and Knowledge** |
| 1. Demonstrated experience creating and updating technical documentation and operating procedures.
 |  |
| 1. Demonstrated experience working with virtualisation technologies.
 |  |
| 1. Demonstrated experience monitoring and actioning security alerts and incidents.
 |  |
| 1. Ability to maintain and upgrade device software, firmware versions, racking, cabling and labelling of current and new infrastructure.
 |  |
| **Major Responsibilities:** | **Statement of Suitability Against Major Responsibilities** |
| 1. Ongoing review, design, development, and continual improvement of Splunk deployment(s).
 |  |
| 1. Design, support and update documentation including standard operating procedures and detailed design documentation.
 |  |
| 1. Work with system developers to onboard new data sources – including the development of “apps” to provide automatic field extractions and event enrichment.
 |  |
| 1. Maintain fundamental knowledge of other system landscape components including: solution operating systems, load balancers, hosting environments, and networking in order to design, deploy, maintain, and enhance solutions.
 |  |
| 1. Enhance and support automation and continuous deployment for existing, and new, systems. Implement and maintain automated testing.
 |  |
| 1. Monitor Splunk deployment(s) and associated infrastructure. Provide assistance with support requests, troubleshoot and resolve issues.
 |  |
| 1. Recommend/design and implement new structures and tools which meet business requirements for a variety of target environments.
 |  |
| 1. Provide guidance and direct the work of other team members.
 |  |
| **Other Features of the Role (e.g. location, travelling, shift hours,)** | **Service Provider Response** |
| 1. The role is based in Canberra with minimal to no travel.
 |  |
| Prepared by: Daniel GibsonDate: 20/01/2021Authorised by: Travis Alexander |
| **SFIA Core Competencies** |
| **SFIA Level Of Responsibility Level 4**  |
| **Autonomy** | Works under general direction within a clear framework of accountability. Exercises substantial personal responsibility and autonomy. Plans own work to meet given objectives and processes. |
| **Influence** | Influences customers, suppliers and partners at account level. May have some responsibility for the work of others and for the allocation of resources. Participates in external activities related to own specialism. Makes decisions which influence the success of projects and team objectives |
| **Complexity** | Work includes a broad range of complex technical or professional activities, in a variety of contexts. Investigates, defines and resolves complex issues. |
| **Business skills** | Selects appropriately from applicable standards, methods, tools and applications. Communicates fluently, orally and in writing, and can present complex information to both technical and non-technical audiences. Facilitates collaboration between stakeholders who share common objectives. Plans, schedules and monitors work to meet time and quality targets. Rapidly absorbs new information and applies it effectively. Maintains an awareness of developing technologies and their application and takes some responsibility for driving own development. |
| **SFIA Professional Skill Level Description**  |
| **DESN 4** | Recommends/designs structures and tools for systems which meet business needs and takes into account target environment, performance & security requirements and existing systems. Delivers technical visualisation of proposed applications for approval by customer and execution by system developers. Translates logical designs into physical designs, and produces detailed design documentation. Maps work to user specification and removes errors and deviations from specification to achieve user-friendly processes. |
| **PROG 4** | Designs, codes, tests, correct and documents complex programs and scripts from agreed specifications, and subsequent iterations, using agreed standards and tools, to achieve a well-engineered result. Takes part in reviews of own work and leads reviews of colleagues' work. |
| **ASUP 4** | Maintains application support processes, and checks that all requests for support are dealt with according to agreed procedures. Uses application management software and tools to investigate issues, collect performance statistics and create reports. |

**ATTACHMENT 7**

**STATEMENT OF WORK**

|  |  |
| --- | --- |
| **Nominated Candidate** |  |
| **Role** | System Engineer – Multiple positions |
| **Contract Commencement Date** | ASAP  |
| **Contract Expiry Date** | Contract terms between 12 and 24 months will be considered. |
| **Purpose of Services:** | Professional Services (Clause 7.11) |
| **Role Description** | SIGINT and Network Operations Group – Systems Project Office (SNO-SPO) within the Australian Signals Directorate (ASD), will deliver cutting edge capabilities to Defence through a variety of different programmes and projects. To facilitate this ASD has a requirement for a System Engineer.The System Engineer will be responsible for the design, integration, testing and documentation of engineering subsystems under general direction and guidance. They will require an understanding of the ASD environment, processes and procedures and are required to take this into account when designing subsystems. The system engineer will be required to work across a variety of disciplines including mechanical design, thermal design and modelling, ICT infrastructure, ICT security and embedded systems development. They will be required to take broad customer requirements and develop the appropriate project documentation. |
| **SFIA Level of Responsibility Required***Description Below* | The Specified Person will be expected to demonstrate attributes of SFIA Level of Responsibility 4 |
| **SFIA Skills Required***Description Below* | DESN 4PROG 4ASUP 4 |
| **Other Skills and Knowledge** | **Statement of Suitability Against Other Skills and Knowledge** |
| 1. Demonstrated experience creating and updating technical documentation and operating procedures.
 |  |
| 1. Demonstrated experience working with virtualisation technologies.
 |  |
| 1. Demonstrated experience monitoring and actioning security alerts and incidents.
 |  |
| 1. Ability to maintain and upgrade device software, firmware versions, racking, cabling and labelling of current and new infrastructure.
 |  |
| **Major Responsibilities:** | **Statement of Suitability Against Major Responsibilities** |
| 1. Develop and Implement network design on Cisco and Juniper platforms.
 |  |
| 1. Design, develop and sustain VM ware environments
 |  |
| 1. Linux development, which may include developing and configuring a Linux environment, installing operating systems and maintaining a Linux system.
 |  |
| 1. Using Puppet and Ansible, enhance and support automation and continuous deployment for existing systems. Recommend/design new structures and tools which meet business requirements and take into account the target environment. Implement and maintain automated testing.
 |  |
| 1. Monitor systems and infrastructure. Provide assistance with support requests, fix and troubleshoot issues.
 |  |
| 1. Provide feedback to implementation and design aspects. Translate logical designs into physical designs. Assist in the continuous improvement process by developing and enhancing procedures. Design, support and update documentation including standard operating procedures and detailed design documentation.
 |  |
| 1. Provide guidance and direct the work of other team members.
 |  |
| **Other Features of the Role (e.g. location, travelling, shift hours,)** | **Service Provider Response** |
| 1. The role is based in Canberra with minimal to no travel.
 |  |
| Prepared by: Darrell MaloneDate: 22/12/2020Authorised by: Travis Alexander / Daniel Gibson |
| **SFIA Core Competencies** |
| **SFIA Level Of Responsibility Level 4**  |
| **Autonomy** | Works under general direction within a clear framework of accountability. Exercises substantial personal responsibility and autonomy. Plans own work to meet given objectives and processes. |
| **Influence** | Influences customers, suppliers and partners at account level. May have some responsibility for the work of others and for the allocation of resources. Participates in external activities related to own specialism. Makes decisions which influence the success of projects and team objectives |
| **Complexity** | Work includes a broad range of complex technical or professional activities, in a variety of contexts. Investigates, defines and resolves complex issues. |
| **Business skills** | Selects appropriately from applicable standards, methods, tools and applications. Communicates fluently, orally and in writing, and can present complex information to both technical and non-technical audiences. Facilitates collaboration between stakeholders who share common objectives. Plans, schedules and monitors work to meet time and quality targets. Rapidly absorbs new information and applies it effectively. Maintains an awareness of developing technologies and their application and takes some responsibility for driving own development. |
| **SFIA Professional Skill Level Description**  |
| **DESN 4** | Recommends/designs structures and tools for systems which meet business needs and takes into account target environment, performance & security requirements and existing systems. Delivers technical visualisation of proposed applications for approval by customer and execution by system developers. Translates logical designs into physical designs, and produces detailed design documentation. Maps work to user specification and removes errors and deviations from specification to achieve user-friendly processes. |
| **PROG 4** | Designs, codes, tests, correct and documents complex programs and scripts from agreed specifications, and subsequent iterations, using agreed standards and tools, to achieve a well-engineered result. Takes part in reviews of own work and leads reviews of colleagues' work. |
| **ASUP 4** | Maintains application support processes, and checks that all requests for support are dealt with according to agreed procedures. Uses application management software and tools to investigate issues, collect performance statistics and create reports. |

**ATTACHMENT 8**

**STATEMENT OF WORK**

|  |  |
| --- | --- |
| **Nominated Candidate** |  |
| **Role** | Radio Frequency/DSP Engineer  |
| **Contract Commencement Date** | ASAP |
| **Contract Expiry Date** | Contract terms between 12 and 24 months will be considered |
| **Purpose of Services:** | Professional Services (Clause 7.11) |
| **Role Description** | SIGINT and Network Operations Group – Systems Project Office (SNO-SPO) within the Australian Signals Directorate (ASD), will deliver cutting edge capabilities to Defence through a variety of different programmes and projects. To facilitate this ASD has a requirement for a RF/DSP Engineer.The RF/DSP Engineer will be responsible for the design, integration, testing and documentation of engineering subsystems under broad direction and guidance. The RF/DSP Engineer will be required to work across a variety of disciplines including RF hardware, Digital Signal Processing and Software Defined Radios (SDR). The RF/DSP Engineer will be required to provide support to team members in the required areas of expertise and share their knowledge to aid in improving staff understanding.  |
| **SFIA Level of Responsibility Required***Description Below* | The Specified Person will be expected to demonstrate attributes of SFIA Level of Responsibility LOR 4 |
| **SFIA Skills Required***Description Below* | DESN 4RFEN 4TEST 3PROG 2 |
| **Other Skills and Knowledge** | **Statement of Suitability Against Other Skills and Knowledge** |
| 1. Experience in RF systems, favourably Satellite Communication.
 |  |
| 1. Experience in Digital Signal Processing (Matlab would be beneficial).
 |  |
| 1. Experience in Software Defined Radios such as GNU Radio.
 |  |
| **Major Responsibilities:**  | **Statement of Suitability Against Major Responsibilities** |
| 1. Undertake the design, integration, testing and documentation of engineering subsystems.
 |  |
| 1. Plan, design, manage, execute and report test and test procedures using appropriate testing tools and techniques.
 |  |
| 1. Produce technical documentation.
 |  |
| 1. Undertake testing using electronic debugging equipment (examples include oscilloscopes, logic analysers, spectrum analysers) to do fault finding and debugging of embedded hardware devices.
 |  |
| 1. Conduct design reviews.
 |  |
| 1. Assist in the continuous improvement process by developing and enhancing procedures.
 |  |
| **Other Features of the Role (e.g. location, travelling, shift hours,)** | **Service Provider Response** |
| 1. The role is based in Canberra with minimal to no travel
 |  |
| Prepared by: Kaylee ForbesDate: 20 January 2021Authorised by: Travis Alexander |
| **SFIA Core Competencies** |
| **SFIA Level Of Responsibility (LOR 4)**  |
| **Autonomy** | Works under general direction within a clear framework of accountability. Exercises substantial personal responsibility and autonomy. Plans own work to meet given objectives and processes. |
| **Influence** | Influences customers, suppliers and partners at account level. May have some responsibility for the work of others and for the allocation of resources. Participates in external activities related to own specialism. Makes decisions which influence the success of projects and team objectives. Collaborates regularly with team members, users and customers. Engages to ensure that user needs are being met throughout. |
| **Complexity** | Work includes a broad range of complex technical or professional activities, in a variety of contexts. Investigates, defines and resolves complex issues. |
| **Knowledge** | Has a thorough understanding of recognised generic industry bodies of knowledge and specialist bodies of knowledge as necessary. Has gained a thorough knowledge of the domain of the organisation. Is able to apply the knowledge effectively in unfamiliar situations and actively maintains own knowledge and contributes to the development of others. Rapidly absorbs new information and applies it effectively. Maintains an awareness of developing practices and their application and takes responsibility for driving own development. |
| **Business skills** | Communicates fluently, orally and in writing, and can present complex information to both technical and non-technical audiences. Plans, schedules and monitors work to meet time and quality targets. Facilitates collaboration between stakeholders who share common objectives. Selects appropriately from applicable standards, methods, tools and applications. Fully understands the importance of security to own work and the operation of the organisation. Seeks specialist security knowledge or advice when required to support own work or work of immediate colleagues. |
| **SFIA Professional Skill Level Description**  |
| **DESN 4** | Recommends/designs structures and tools for systems which meet business needs and takes into account target environment, performance & security requirements and existing systems. Delivers technical visualisation of proposed applications for approval by customer and execution by system developers. Translates logical designs into physical designs, and produces detailed design documentation. Maps work to user specification and removes errors and deviations from specification to achieve user-friendly processes. |
| **RFEN 4** | Investigates and resolves system-wide fault conditions using a wide range of diagnostic tools and techniques. Reconfigures equipment to circumvent temporary outages. |
| **TEST 3** | Reviews requirements and specifications, and defines test conditions. Designs test cases and test scripts under own direction, mapping back to pre-determined criteria, recording and reporting outcomes. Analyses and reports test activities and results. Identifies and reports issues and risks associated with own work. |
| **PROG 2** | Designs, codes, tests, corrects, and documents simple programs, or scripts and assists in the implementation of software which forms part of a properly engineered information or communications system. |

**ATTACHMENT 9**

**STATEMENT OF WORK**

|  |  |
| --- | --- |
| **Nominated Candidate** |  |
| **Role** | System Integrator |
| **Contract Commencement Date** | ASAP |
| **Contract Expiry Date** | Contract terms between 12 and 24 months will be considered. |
| **Purpose of Services:** | Professional Services (Clause 7.11) |
| **Role Description** | SIGINT and Network Operations– Systems Program Office (SNO-SPO) within the Australian Signals Directorate (ASD), will deliver cutting edge capabilities to Defence through a variety of different programmes and projects. To facilitate this ASD has a requirement for a Systems Integrator.The System Integrator will contribute to the design, integration, testing and documentation of engineering subsystems under general direction and guidance.The System Integrator will be required to work across a variety of disciplines predominantly across ICT infrastructure, ICT security and embedded software systems development. The successful candidate will identify customer requirements, develop the appropriate project documentation and contribute to a team of software developers who will be developing, integrating, supporting and sustaining software applications employing an Agile Software Development Methodology (SDM).     |
| **SFIA Level of Responsibility Required** *Description Below* | The Specified Person will be expected to demonstrate attributes of SFIA Level of Responsibility LOR 4 |
| **SFIA Skills Required***Description Below* | DESN 4REQM 3SINT 4SEAC 4 |
| **Other Skills and Knowledge** | **Statement of Suitability Against Other Skills and Knowledge** |
| 1. Demonstrated experience in Android Emulator development
 |  |
| 1. Demonstrated experience in Virtual machine administration
 |  |
| 1. Network troubleshooting
 |  |
| 1. Linux-based networking
 |  |
| **Major Responsibilities:**  | **Statement of Suitability Against Major Responsibilities** |
| 1. Develop Systems Engineering documentation including, Systems Engineering Management Plans, Configuration Management Plans, Integrated Support Plans, System Designs.
 |  |
| 1. Analyse business needs to produce requirements, synthesise requirements to produce designs, conduct and evaluate trade-offs between various designs and requirements.
 |  |
| 1. Contribute to systems engineering reviews throughout the project acquisition lifecycle.
 |  |
| 1. Plan and conduct test and evaluation activities during system and sub-system T&E events.
 |  |
| 1. Evaluate the quality of project outputs against agreed service criteria.
 |  |
| 1. Contribute to the continuous improvement process by developing and enhancing procedures.
 |  |
| **Other Features of the Role (e.g. location, travelling, shift hours,)** | **Service Provider Response** |
| 1. The role is based in Canberra with minimal to no travel
 |  |
| Prepared by: Darrell MaloneDate: 22/12/2020Authorised by: Travis Alexander |
| **SFIA Core Competencies** |
| **SFIA Level Of Responsibility (LOR 4)**  |
| **Autonomy** | Works under general direction within a clear framework of accountability. Exercises substantial personal responsibility and autonomy. Plans own work to meet given objectives and processes. |
| **Influence** | Influences customers, suppliers and partners at account level. May have some responsibility for the work of others and for the allocation of resources. Participates in external activities related to own specialism. Makes decisions which influence the success of projects and team objectives |
| **Complexity** | Work includes a broad range of complex technical or professional activities, in a variety of contexts. Investigates, defines and resolves complex issues. |
| **Business skills** | Selects appropriately from applicable standards, methods, tools and applications. Communicates fluently, orally and in writing, and can present complex information to both technical and non-technical audiences. Facilitates collaboration between stakeholders who share common objectives. Plans, schedules and monitors work to meet time and quality targets. Rapidly absorbs new information and applies it effectively. Maintains an awareness of developing technologies and their application and takes some responsibility for driving own development. |
| **SFIA Professional Skill Level Description**  |
| **DESN 4** | Recommends/designs structures and tools for systems which meet business needs and takes into account target environment, performance & security requirements and existing systems. Delivers technical visualisation of proposed applications for approval by customer and execution by system developers. Translates logical designs into physical designs, and produces detailed design documentation. Maps work to user specification and removes errors and deviations from specification to achieve user-friendly processes. |
| **REQM 3**  | Defines scope and business priorities for small-scale changes and may assist in larger scale scoping exercises. Elicits and discovers requirements from operational management and other stakeholders. Selects appropriate techniques for the elicitation of detailed requirements taking into account the nature of the required changes, established practice and the characteristics and culture of those providing the requirements. Specifies and documents business requirements as directed, ensuring traceability back to source. Analyses them for adherence to business objectives and for consistency, challenging positively as appropriate. Works with stakeholders to prioritise requirements |
| **SINT 4** | Defines the integration build, accepts software modules from software developers, and produces software builds for loading onto the target environment. Configures the hardware environment, produces integration test specifications, and conducts tests, recording details of any failures and carrying out fault diagnosis. |
| **SEAC 4** | Engages with project management to confirm that products developed meet the service acceptance criteria and are to the required standard. Feeds into change management processes. |

**ATTACHMENT 10**

**STATEMENT OF WORK**

|  |  |
| --- | --- |
| **Nominated Candidate** |  |
| **Role** | System Engineer – Multiple positions |
| **Contract Commencement Date** | ASAP  |
| **Contract Expiry Date** | Contract terms between 12 and 24 months will be considered. |
| **Purpose of Services:** | Professional Services (Clause 7.11) |
| **Role Description** | SIGINT and Network Operations Group – Systems Project Office (SNO-SPO) within the Australian Signals Directorate (ASD), will deliver cutting edge capabilities to Defence through a variety of different programmes and projects. To facilitate this ASD has a requirement for a System Engineer.The System Engineer will be responsible for the design, integration, testing and documentation of engineering subsystems under general direction and guidance. They will require an understanding of the ASD environment, processes and procedures and are required to take this into account when designing subsystems. The system engineer will be required to work across a variety of disciplines including mechanical design, thermal design and modelling, ICT infrastructure, ICT security and embedded systems development. They will be required to take broad customer requirements and develop the appropriate project documentation. |
| **SFIA Level of Responsibility Required (***Description Below)* | The Specified Person will be expected to demonstrate attributes of SFIA Level of Responsibility 4 |
| **SFIA Skills Required***Description Below* | DESN 4PROG 4ASUP 4 |
| **Other Skills and Knowledge** | **Statement of Suitability Against Other Skills and Knowledge** |
| 1. Demonstrated experience creating and updating technical documentation and operating procedures.
 |  |
| 1. Demonstrated experience working with virtualisation technologies.
 |  |
| 1. Demonstrated experience monitoring and actioning security alerts and incidents.
 |  |
| 1. Ability to maintain and upgrade device software, firmware versions, racking, cabling and labelling of current and new infrastructure.
 |  |
| **Major Responsibilities:** | **Statement of Suitability Against Major Responsibilities** |
| 1. Implement network design on multi-vendor platforms.
 |  |
| 1. Develop/establish, configuring and maintaining a Splunk environment
 |  |
| 1. Linux development, which may include developing and configuring a Linux environment, installing operating systems and maintaining a Linux system.
 |  |
| 1. Enhance and support automation and continuous deployment for existing systems. Recommend/design new structures and tools which meet business requirements and take into account the target environment. Implement and maintain automated testing.
 |  |
| 1. Monitor systems and infrastructure. Provide assistance with support requests, fix and troubleshoot issues.
 |  |
| 1. Provide feedback to implementation and design aspects. Translate logical designs into physical designs. Assist in the continuous improvement process by developing and enhancing procedures. Design, support and update documentation including standard operating procedures and detailed design documentation.
 |  |
| 1. Provide guidance and direct the work of other team members.
 |  |
| **Other Features of the Role (e.g. location, travelling, shift hours,)** | **Service Provider Response** |
| 1. The role is based in Canberra with minimal to no travel.
 |  |
| Prepared by: Darrell MaloneDate: 27/01/2021Authorised by: Travis Alexander / Daniel Gibson |
| **SFIA Core Competencies** |
| **SFIA Level Of Responsibility Level 4**  |
| **Autonomy** | Works under general direction within a clear framework of accountability. Exercises substantial personal responsibility and autonomy. Plans own work to meet given objectives and processes. |
| **Influence** | Influences customers, suppliers and partners at account level. May have some responsibility for the work of others and for the allocation of resources. Participates in external activities related to own specialism. Makes decisions which influence the success of projects and team objectives |
| **Complexity** | Work includes a broad range of complex technical or professional activities, in a variety of contexts. Investigates, defines and resolves complex issues. |
| **Business skills** | Selects appropriately from applicable standards, methods, tools and applications. Communicates fluently, orally and in writing, and can present complex information to both technical and non-technical audiences. Facilitates collaboration between stakeholders who share common objectives. Plans, schedules and monitors work to meet time and quality targets. Rapidly absorbs new information and applies it effectively. Maintains an awareness of developing technologies and their application and takes some responsibility for driving own development. |
| **SFIA Professional Skill Level Description**  |
| **DESN 4** | Recommends/designs structures and tools for systems which meet business needs and takes into account target environment, performance & security requirements and existing systems. Delivers technical visualisation of proposed applications for approval by customer and execution by system developers. Translates logical designs into physical designs, and produces detailed design documentation. Maps work to user specification and removes errors and deviations from specification to achieve user-friendly processes. |
| **PROG 4** | Designs, codes, tests, correct and documents complex programs and scripts from agreed specifications, and subsequent iterations, using agreed standards and tools, to achieve a well-engineered result. Takes part in reviews of own work and leads reviews of colleagues' work. |
| **ASUP 4** | Maintains application support processes, and checks that all requests for support are dealt with according to agreed procedures. Uses application management software and tools to investigate issues, collect performance statistics and create reports. |