**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. |