**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 4  UNAN 3  ITOP 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 Malone  Date: 22/12/2020  Authorised 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. | |