**ATTACHMENT 8**

**STATEMENT OF WORK**

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| **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 4  RFEN 4  TEST 3  PROG 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 Forbes  Date: 20 January 2021  Authorised 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. | |