**ATTACHMENT 4**

**STATEMENT OF WORK**

|  |  |  |  |
| --- | --- | --- | --- |
| **Nominated Candidate** | | |  |
| **Role** | | | Test 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 Test Engineer.  The Test Engineer will be accountable under general direction to specify, develop and write test plans and test scripts, produce test cases, carry out regression testing, and use automated test software applications to test the behaviour, functionality and integrity of systems, and document the results. |
| **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* | | | SINT 4  USEV 4  BPTS 4 |
| **Other Skills and Knowledge** | | | **Statement of Suitability Against Other Skills and Knowledge** |
| 1. Testing experience in an Agile software development environment. | | |  |
| 1. Experience with Linux systems and system administration. | | |  |
| 1. Experience with cloud, containers and virtualisation. | | |  |
| **Major Responsibilities:** | | | **Statement of Suitability Against Major Responsibilities** |
| 1. In consultation with the Test Manager and Product Owner, conduct the design, integration and transition of mission system upgrades to ensure the capability meets business, security and quality requirements. | | |  |
| 1. Monitor and maintain system security, quality, performance and reliability (Windows & Linux). Ensure system upgrades and configuration changes are deployed according to the program schedule. | | |  |
| 1. Support engineering and technical staff in systems lifecycle activities related to requirements engineering, systems design, implementation, test and operation. | | |  |
| 1. Work with stakeholders to understand their business needs and elicit requirements and aid the planning of the mission system lifecycle. | | |  |
| 1. Document test processes and procedures in a clear and concise manner. Ensure that procedures which involve specific technical knowledge or materials are documented sufficiently to meet testing quality standards. | | |  |
| 1. Support effective version and configuration management | | |  |
| 1. Ensure traceability between requirements, testing and test results. | | |  |
| 1. Ensure test results are integrated into systems engineering and software development processes and documentation. | | |  |
| 1. Work proactively with developers and project team to improve the quality of outputs and share knowledge. | | |  |
| 1. Work collaboratively and constructively as part of an Agile delivery team to ensure the timely delivery of a quality ICT capability. | | |  |
| **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: 15/12/2020  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** | | | |
| **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. | | |
| **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. | | |
| **BPTS 4** | Specifies and develops test scenarios to test that new/updated processes deliver improved ways of working for the end user at the same time as delivering efficiencies and planned business benefits. Records and analyses test results, and reports any unexpected or unsatisfactory outcomes. Uses test plans and outcomes to specify user instructions. | | |