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Engineer, Interoperability/Integration, Test & Acceptance-180220

Primary Location Belgium-Brussels

NATO Body NAGSMA

Schedule Full-time

Salary (Pay Basis) : 6,620.31Euro (EUR) Monthly

Grade A.3

Description:

NATO has helped preserve and peace and security for almost seven decades.

In past and current operations, Alliance Ground Surveillance (AGS) has proven to be a core capability for NATO's mission. This is a position within the NATO Alliance Ground Surveillance Management Agency (NAGSMA), a NATO body chartered to procure and field the NATO-owned and operated AGS system.

As a highly qualified engineer for NAGSMA, you could play a crucial role. You will know all about interoperability, be a team-leader and communication expert.

If using your skills and experience to support the Alliance's mission sounds appealing, then you could be the person we're looking for.

This post is assigned to the NAGSMA Technical Branch (TB), which is

- mandated to the confirmation of contract deliverables;
- responsible for: compliance with the Technical Requirements Document (TRD) and technical advice as applicable to contractor deliverables;
- structured to manage contract activities of the air, ground and mission segment, and
- dedicated to system level integration, interoperability and testing.

Overarching Responsibility:

The incumbent will

- Provide the required expertise in the interoperability field for the implementation of AGS related projects;
- Assume responsibility during the project implementation, test and acceptance phases of AGS for monitoring;
- Assess system design and development from an interoperability viewpoint; and
- Support the Principal Integration, Test & Acceptance Engineer on all Test, Evaluation and Acceptance (IT, E&A), Qualification and Certification aspects related to the AGS Core Segments.
- This post will require close co-ordination with operational users, NATO-bodies and agencies involved in Interoperability testing and demonstrations, NCI test-beds, other multinational efforts in the interoperability arena, and the AGS contractors.

Duties:

Under the direction of the Technical Manager, and supervision of the Principal Integration, Test & Acceptance Engineer, but largely on own initiative, the incumbent is responsible for effectively and efficiently managing resources to carry out the related responsibilities on AGS Core Mission/Ground Segments and supporting IT,E&A activities, including:

- Ensuring that operational, functional and performance requirements for AGS interoperability are properly reflected in the design, implementation, integration and test, of the AGS software/hardware;
- Drafting and maintaining the AGS system architecture (ACIA) consistent with the NATO ISR Interoperability Architecture (NIIA);
- Evaluating potential solutions to satisfy the information exchange requirements within the AGS and with external systems;
- Investigating inconsistencies between AGS and interfacing systems in areas such as transmission standards and protocols, data definition, etc.;
- Identifying appropriate interface standards and protocols to ensure interoperability with the interfacing NATO systems and interoperable national systems;
- Participating in contract milestone reviews, configuration control, technical interchange meetings, contract deliverable reviews, and other project meetings;
- Reviewing the contract deliverables arising from the AGS contract, to ensure that the contractor has correctly interpreted the relevant specifications relating to interoperability;
- Ensuring that documented requirements are correctly addressed in test plans and procedures, and test results are produced and analysed to support interoperability verification and validation;
- Contribute to management of IT,E&A activities, such as related strategies, plans, schedules, processes and criteria/metrics;
- Monitor and manage test, acceptance and certification activities related to the development, integration and implementation of AGS Segments;
- Contribute to management of IT,E&A activities at system level;
- Support the AGS test planning and execution activities and issues with the contractor and stakeholders, and oversee the activity of the Official Test Teams on AGS Core Segment related aspects;
- Ensure that the AGS IT,E&A and qualification approaches are in line with the planned AGS delivery schedule and adapted to changing situations and operational requirements during the development of the AGS;
- Monitor contractor execution of AGS test activities, to ensure their compliance with test, evaluation and acceptance criteria and procedures;
- Contribute to manage, in co-ordination with SHAPE, the test objectives, scenarios and resources required to support official assessments and operational IT,E&A activities;
- Monitoring the interoperability related engineering activities of related national implementation contracts and advising host nations as required;
- Liaising with SHAPE and representatives of the User Communities to provide guidance on the engineering impact of operational decisions; and
- Performing other related duties as directed

Experience and Education:

Essential

- A university degree in industrial, systems or communications engineering, or other relevant engineering related discipline;
- At least 5 years' experience in the development and implementation of military command and control systems; At least 5 years' recent experience of work in the test and certification fields with sound knowledge of test, evaluation, qualification, and certification of complex systems in a Firm Fixed Price environment;
- A wide experience in the technical aspects related to the resolution of interoperability problems between dissimilar systems;
- In-depth knowledge of procedural and technical interoperability aspects of C2 systems, and familiarity with the process of translating operational requirements into standards and procedures;
- Familiarity with aspects of requirements capture and implementation as test and certification requirements;
- Experience in integration and field trials;
- Be effective at communicating complex technical ideas to a non-technical audience;
- Ability to exercise personal authority in his/her field of activity, and to direct others.

Desirable

- He/she must be familiar with NATO interoperability documents;
- Familiarity with the use of computer-based support tools;
- Knowledge of AGS core data dissemination architecture;
- Knowledge of the NATO Organization and its procedures.

Language Proficiency:

- The incumbent must have a thorough knowledge of the English language, which is the official working language of the organisation. He/she will be called upon to deal with complex problems and to draw up documents in English.
- NOTE: All of the work of the NAGSMA is conducted in the English language.

Competencies or Personal Attributes:

The incumbent should possess the personal qualities of tact, judgement and adaptability as well as good political awareness and motivational and listening skills. In addition, a sense of diplomacy and propriety in order to work harmoniously with colleagues and other staff, both civilian and military, from NATO and the NATO nations, as well as with staff from private scientific/industrial organisations is needed.

Travel:

Business travel to NATO, national and other facilities as required in the line of duty.

Professional Contacts:

The Interoperability/ Integration, Test & Acceptance Engineer:

- Participates in the AGS Project Management Organisation;
- Maintains close working relationships with other AGS members, Contractor counterparts and relevant personnel at

NATO HQ, the NATO Agencies and nations responsible for the implementation of related AGS projects;

- Liaises, as required, with nations and/or bodies responsible for the management of Interoperability Standards or interfacing systems; and
- Liaises, regularly, with NATO bodies responsible for the development and design of the NATO ISR Interoperability Architecture (NIIA).

Supervisory/Guidance Duties:

The incumbent shall provide technical direction, supervision and professional guidance to assigned staff, as applicable.

Working Environment: Normal office environment.

Security Clearance Level: NATO Secret

What do we offer?

- Excellent tax-free salary, including (where eligible) expatriation household and family allowances and additional privileges for expatriate staff.
- Education allowance for children (where appropriate) and an excellent private health insurance scheme;
- Generous annual leave and home leave (if eligible).
- Retirement Pension Plan.

To learn more about NAGSMA and our work, please visit our [website](#)

Please note that only nationals of the NATO AGS Participating Nations are eligible to apply for NAGSMA posts.

This includes nationals of: Bulgaria, Czech Republic, Denmark, Estonia, Germany, Italy, Latvia, Lithuania, Luxembourg, Norway, Poland, Romania, Slovakia, Slovenia and United States of America.

Note: Due to the anticipated closure of the Agency, the contract offered to a successful candidate is limited to 31 December 2020.

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