Job Title: Radio Frequency (RF) Systems Security Engineer

Req ID **8948** - Posted **04/12/2019**

EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Technology, Engineering and Quality.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. Applications from women are encouraged.

Post
Radio Frequency (RF) Systems Security Engineer

This post is classified A2-A4 on the Coordinated Organisations' salary scale.

Location
ESTEC, Noordwijk, The Netherlands

Description
Reporting RF Systems Security Engineer, Commerical User Segment & Navigation System Validation Section, RF Systems Division, Electrical Department, Directorate of Technology, Engineering & Quality.

The Section supports the development of professional and commercial GNSS ground products through ESA's cofunded R&D programmes (e.g. GSTP, NAVISP Element 2), support to the validation and service preparation of existing navigation systems (Galileo, EGNOS) with the management of the associated tools and test facilities, and the development of GNSS (EGNOS, Galileo) Ground Segment Element (Phase C/D) equipment design, procurement and testing.

Duties
Reporting to the Head of Section within the technical fields described above, the postholder will contribute to the Section's work in the area of security for RF systems. Responsibilities include acting as Security Officer for the Galileo Public Regulated Service (PRS) laboratory, maintenance of lab infrastructure and acting as focal point for security-related matters in the Division. As such, the post holder will be required to advise and debrief the Heads of Section and Division regularly and as required by operational exigencies. Specific responsibilities include:

- participating in following up industrial contracts related to RF system security, technology development, laboratory tool and equipment procurement, etc.;
- contributing to PRS activities and to operations and experiments with laboratory equipment;
- monitoring applicable scientific and technological trends and maintaining state-of-the-art expertise;
- contributing to the dissemination of the results of activities performed and the transfer of knowledge across the Agency.

The following activities will be carried out as PRS Laboratory Security Officer:

- leading the definition and running of security operations (SECOPS) for the PRS laboratory and being the main interface with the TEC Security Officer, ESA Security Office (ESO) and Galileo Security Office (GSO);
- producing, maintaining and updating related SECOPS procedures in line with evolving ESA Security Directives and the laboratory infrastructure, focusing on improving operability safety security;
- leading maintenance of the accreditation file for the facility in cooperation with the ESA Security Office and other relevant parties;
- ensuring correct operations of the laboratory in line with applicable security requirements and operational security constraints, in particular for asset classification/control and physical, personnel and document security;
- ensuring daily coverage of nominal and emergency operations in coordination with other security officers;
- handling routine operational activities, such as maintenance of required databases (e.g. requests for visit, equipment clearance debriefing, etc.) and action items, reporting on activities, supporting lab workers, organising equipment transportation, disseminating information and organising dedicated training or briefings as required.

When on duty and in the event of an emergency outside normal working hours, the postholder is required to be available to take the necessary action to resolve the situation.

Technical competencies
General background and specific experience in the technical domains covered by the position

Security engineering and associated disciplines, in particular communications and network security
Experience of managing security processes
Security auditing standards
Experience in laboratory activities and management
Experience in the preparation of procurement activities for technology development and innovation (statements of work, proposal evaluation, etc)
Experience in the management and monitoring of industrial activities, including participation in reviews

Behavioural competencies

Communication
Customer Focus
Problem Solving
Results Orientation
Planning & Organisation

Education

A Master's degree or equivalent qualification in telecommunications, security, navigation or aerospace engineering is required.

Additional requirements

Candidates are required to have a good background in RF systems, supplemented by security engineering as applied to space and RF systems. Solid experience and expertise in one or more of the five main security domains (Information Protection, Personnel Security, Information/Communications Security (InfoSec/COMSEC), Physical Security, Business Continuity Management) are required, preferably demonstrable by relevant qualifications.

Applicants must be eligible for security clearance by their national security administration.

Other information

For behavioural competencies expected from ESA staff in general, please refer to the ESA Competency Framework.

The working languages of the Agency are English and French. A good knowledge of one of these is required. Knowledge of another Member State language would be an asset.
The Agency may require applicants to undergo selection tests.

The closing date for applications is 03 January 2020.

If you require support with your application due to a disability, please email contact.human.resources@esa.int.

Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, the United Kingdom and Canada and Slovenia.

According to the ESA Convention the recruitment of staff must take into account an adequate distribution of posts among nationals of the ESA Member States. When short-listing for an interview, priority will first be given to internal candidates and secondly to external candidates from under-represented Member States. (http://esamultimedia.esa.int/docs/careers/NationalityTargets.pdf)

In accordance with the European Space Agency’s security procedures and as part of the selection process, successful candidates will be required to undergo basic screening before appointment.

Recruitment will normally be at the first grade in the band (A2); however, if the candidate selected has little or no experience, the position may be filled at A1 level.