

## Cyber Security Engineer

**Job Req ID:** 12509

**Closing Date:** 25 August 2021

**Publication:** Internal & External

**Vacancy Type:** Permanent

**Date Posted:** 14 July 2021

Vacancy in the Directorate of Navigation.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. We therefore welcome applications from all qualified candidates irrespective of gender, sexual orientation, ethnicity, beliefs, age, disability or other characteristics. Applications from women are encouraged.

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

### **Location**

ESTEC, Noordwijk, The Netherlands

### **Description**

Cyber Security Engineer in the Galileo G1 Cyber Security & Accreditation Unit in the Galileo G1 System Security Service, Galileo First Generation Project Office, Galileo Programme Department, Directorate of Navigation.

The Galileo G1 System Security Service is in charge of security-related activities for Galileo First Generation including end-to-end system security engineering, design and development of Galileo Public Regulated Service (PRS) infrastructure, as well as security accreditation and cyber security.

### **Duties**

You will report to the Head of the Galileo G1 Cyber Security & Accreditation Unit and your main tasks and responsibilities will be:

- Managing the Ground Segment infrastructure contractor for cyber aspects and in particular ensuring proper implementation of the Galileo European Commission Cyber Security Requirements in the Ground Segment infrastructure versions by defining Ground Segment cyber requirements including patching policy, hardening guidelines, and applicable standards;
- Assessing and processing the Cyber Requests for Waiver from the Ground Segment Infrastructure contractor, preparing higher level RFW when needed in support of Galileo G1 CCBs and Project/Programme Cyber Boards;
- Following up and organising security audits, vulnerability assessments and penetration testing performed on the Ground Segment infrastructure versions;
- Collecting and managing cyber vulnerabilities closure evidence in order to demonstrate that vulnerabilities identified in previous versions have been correctly mitigated/rectified for each new version of the Ground Segment infrastructure;
- Reviewing and consolidating the Cyber Status of the Ground Segment Infrastructure versions and contributing to the overall Galileo infrastructure integrated report;
- Contributing to the segment versions' security accreditation milestones dossier providing cyber status reports, residual cyber vulnerability analysis, proposing mitigation and preparing correction reports and correction plans for the Galileo security

accreditation authorities SAP/SAB (Security Accreditation Panel / Security Accreditation Board);

- Managing Ground Segment input related to cyber disaster recovery and contributing to the Galileo System infrastructure Cyber Disaster Recovery Plan;
- Supporting the ESA Galileo Cyber Security Manager in the cyber decision process regarding the implementation of cyber corrections, mitigations, security monitoring and risk management;
- Providing security design expertise to the Galileo G1 Project Office for the design and development of the G1 system infrastructure in terms of security monitoring, network design, security treatment definition, vulnerability identification/correction, cyber countermeasures and operational procedures mitigation identification.

Duties may also include supporting other activities within your field of competence and the transfer of knowledge across the Agency.

### **Technical competencies**

Experience in Cyber Security Management for large and complex system

Experience in Cyber Vulnerability Assessment, Security Auditing and penetration testing

Knowledge and experience on System Security architecture

### **Behavioural competencies**

Result Orientation

Operational Efficiency

Fostering Cooperation

Relationship Management

Continuous Improvement

Forward Thinking

### **Education**

A Master's degree in security engineering or a related discipline is required for this post.

### **Additional requirements**

You shall be eligible to obtain an EU personal security clearance from your relevant national authority.

You should be able to demonstrate that you can work in a fast-paced environment and handle pressure as may typically be required when working in a project team. You should be results-oriented, able to set priorities, and capable of presenting practical solutions both verbally and in writing.

You should have good interpersonal and communication skills. You should have the ability to work autonomously, effectively and cooperatively in a diverse, international team environment, defining and implementing solutions in line with team and individual objectives and project deadlines. You should also have good technical, analytical, organisational and reporting skills, a proactive attitude to solving problems and an interest in innovative technologies.

### **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.

At the Agency we value diversity and we welcome people with disabilities. Whenever possible, we seek to accommodate individuals with disabilities by providing the necessary support at the workplace. The Human Resources Department can also provide assistance during the recruitment process. If you would like to discuss this further please contact us email [contact.human.resources@esa.int](mailto:contact.human.resources@esa.int).

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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, Latvia, Lithuania 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.

(<https://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.