

Space Segment Security Engineer

Job Req ID: 12496

Closing Date: 05 October 2021

Publication: Internal & External

Vacancy Type: Permanent

Date Posted: 07 September 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. For this purpose, we 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, Netherlands

Description

Space Segment Security Engineer in the Galileo G1 System Security 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.

The Galileo G1 System Security Unit is responsible for the specification, design, implementation and qualification of the PRS, System and Segment security requirements within the Galileo Programme.

Duties

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

- Monitoring, in your capacity as Technical Officer, the qualification, acceptance and security certification of the recurrent Space Security Units for the twelve Galileo Batch 3 satellites,
- Supporting the recurrent Satellite Acceptance Reviews, following up the classified payload and platform testing, ensuring that the classified functions are properly implemented within the satellite,
- Coordinating the classified part of the System Compatibility Test Campaign (SCTC) and ensuring that the recurrent satellite is working with the Ground Infrastructure as expected,
- Supporting the Launch Campaign and the critical security activities linked to the flight keys, interfacing with the relevant subordinate body of the Security Accreditation Board (national experts from EU Member States),

- Preparing and supporting the Launch Early Orbit Phase (LEOP) in your capacity as Space Security Unit expert, checking that the units are behaving as expected after launch,
- Coordinating the classified part of the In-Orbit Test (IOT) Campaign to verify the satellite's readiness to provide the navigation service,
- Interfacing with the FOC Satellite Management Service with respect to all satellite activities (Security Unit acceptance, Satellite Acceptance, Launch Campaign, LEOP),
- Interfacing with the Galileo G1 System AIV & Deployment Service regarding all System activities (SCTC, IOT).

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

Technical competencies

Experience in the development and manufacturing of Space Security Units

Knowledge and experience in the fields of Navigation and related data processing and performances aspects

Knowledge and experience of Galileo security architecture

Knowledge and experience of security engineering and associated disciplines, in particular communications and network security

Behavioural competencies

Result Orientation

Operational Efficiency

Fostering Cooperation

Relationship Management

Continuous Improvement

Forward Thinking

Education

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

Additional requirements

You should 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.

The closing date for applications is 05 October 2021.

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 at 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, Latvia, Lithuania and Slovenia and in addition of Member States of the European Union not members of ESA: Bulgaria, Croatia, Cyprus, Malta and Slovakia.

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.