EUROPEAN SPACE AGENCY

Galileo G2 Ground Segment Common Platform Engineer

Job Req ID: 12501
Closing Date: 23 August 2021
Publication: Internal & External
Vacancy Type: Permanent
Date Posted: 12 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. 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, The Netherlands

Description
The 2nd Generation Galileo Ground Segment will modernise the existing infrastructure and support the enhancement of navigation services through the integration of next-generation Galileo satellites. In particular, using a layered architecture, it is planned to operate software services from a common hardware platform.

The Ground Segment Deployment Platform will be procured as an Agile Release Train (ART) using the Scaled Agile Framework (SAFe). The G2G Ground Segment Common Platform Engineer will act as business owner to oversee the continued specification, design and development of the Platform, including suitable data management functions.

You will report to the Head of the Galileo G2 Ground Segment Management Service and will support the procurement and development of the next-generation Ground Segment for Galileo. Common services to be provided by the platform are:

- IaaS (memory, compute and storage): data centre deployment; secure network services, including secure WAN; high-availability features, including business continuity;
- PaaS: resource abstraction layers (e.g. hyper-convergence, virtualisation, containerisation); scalability; platform management tooling; automated software deployment; software and hardware patching; accredited IT security and protection;
- SaaS: centralised security management (e.g. security monitoring, access control); software service hosting, communication and interfacing (e.g. message queue, service mesh); data management.

Duties
- Leading the specification and procurement of the 2nd Generation deployment platform;
- Supporting management of the 2nd Generation Galileo Ground Segment unclassified and classified Technical Baseline (applicable requirements and standards);

- Supporting definition of the 2nd Generation Galileo Ground Segment Statement of Work according to the applicable ECSS standards and system design objectives;
- Providing support to the 2nd Generation Galileo System design activities as necessary to ensure consistency with the System Operational Concept;
- Reporting regularly to the Head of the Galileo G2 Ground Segment Management Service;
- Supporting Ground Segment reviews according to SoW milestones, applicable ECSS standards and SAFe ART Program Increment lifecycle.

Technical competencies
Experience in Satellite design in particular in the areas of identification of satellite design solutions integrating lower-level validated units into satellite level product including usage of required design tools
Experience in the preparation and maintenance of Satellite budgets and performances analyses, including usage of required tools
Experience in Satellite verification and validation concepts, and associated satellite test
Knowledge of ESA Space system development and PA standards
Experience in Satellite test sequence preparation

Behavioural competencies
Result Orientation
Operational Efficiency
Fostering Cooperation
Relationship Management
Continuous Improvement
Forward Thinking

Education
A Master's degree in electrical engineering is required for this post.

Additional requirements
You are eligible to obtain EU personal security clearance from your relevant national authority.

You should have at least 10 years' experience in satellite engineering.

You should be able to demonstrate that you can work in a fast-paced environment and handle pressure as may typically occur 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 23 August 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.