

Galileo 2nd Generation Interface Engineer

Job Req ID: 10373

Closing Date: 17 June 2022

Publication: Internal & External

Vacancy Type: Permanent

Date Posted: 20 May 2022

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, Netherlands

Description

Galileo Second Generation Interface Engineer in the G2G System Engineering Unit, Galileo 2nd Generation Project Office, Galileo Programme Department, Directorate of Navigation.

Duties

You will be responsible for the interface specification, design and verification tasks for the Galileo 2nd Generation System, establishing and coordinating activities within the Programme and with industrial consortia, and liaising within the Agency and with external entities in order to ensure that the physical and logical interfaces among space segment satellites, ground segment blocks, service facilities and external entities fulfil the G2G mission requirements.

You will operate within project boundaries and constraints, and under the supervision of the G2G System Engineering Head of Unit, and your responsibilities will include:

- Leading the definition, analyses and consolidation of the physical and logical interfaces among the elements of the G2G System, i.e. inter-satellite, space-ground, ground segment interfaces, interface with service facilities and with external entities. This includes unclassified and classified aspects for which close coordination with the G2G System Security Service will be required;
- Defining and coordinating the verification activities related to interface engineering;
- Contributing to the definition and implementation of tools and testbeds to demonstrate and prototype the G2G interface concepts;
- Contributing to the G2G system architecture and operations concept in your area of expertise;
- Coordinating with the Space Segment team, and the Ground Segment team in your area of expertise;
- Following up and supporting the verification activities related to your area of expertise at segment level;
- Acting as focal point for all topics related to G2G Interface Engineering within the Agency and with the Programme and other external partners;
- Generating lessons learned and contributing to the Knowledge Management initiatives in the Directorate of Navigation.

In the execution of your tasks you will coordinate an industrial support team and cooperate closely with the other team members working on System design and verification, in particular with system engineers, system security engineers, performance and RAMS engineers, and system architects. You will also cooperate with Space Segment, Ground Segment, Operation support and other teams in the Directorate of Navigation.

Technical competencies

Understanding of system requirements and interfaces

ESA space systems development, verification and review processes and standards

Multidisciplinary knowledge of space and ground telecommunication systems

Experience in telecommunication protocols

Network communications

Management and monitoring of industrial activities (interfaces with industry, reviews, etc)

Behavioural competencies

Result Orientation

Operational Efficiency

Fostering Cooperation

Relationship Management

Continuous Improvement

Forward Thinking

Education

A Master's degree in telecommunications engineering is required.

Additional requirements

You should have in-depth knowledge of space systems, and GNSS systems in particular.

You should also have proven managerial potential, and be able to lead and motivate a team of engineers and organise their activities. You should be able to demonstrate that you can handle pressure and conflict 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 leadership, 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](#).

For further information please visit: [Professionals](#), [What we offer](#) and [FAQ](#)

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.

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. 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 or balanced 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 conducted by an external background screening service.

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.

*Member States, Associate Members or Cooperating States.