Job Title: Galileo 2nd Generation System Engineer

Req ID **10370** - Posted **01/10/2020**

EUROPEAN SPACE AGENCY

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. Applications from women are encouraged.

Post
Galileo 2nd Generation System Engineer

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

Location
ESTEC, Noordwijk, The Netherlands

Description
Galileo Second Generation System 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 definition and consolidation of system concepts and use cases, and their derivation and traceability to components of the Galileo 2nd Generation System, including the space segment, ground segment, service facilities and external entities. In the current phase of the project, you will be responsible for consolidation of the system integration and verification plan. You will establish and coordinate activities within the Programme and with industrial consortia, and liaise within the Agency and with external entities in the course of your duties.

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 system concepts and use cases, and their derivation and traceability to segment, interface and service facility requirements. This includes unclassified and classified aspects, for which close coordination with the G2G System Security Unit will be required;
- Leading the definition of the system integration and verification plan;
- Contributing to the definition and implementation of tools and testbeds to demonstrate and prototype the G2G system;
- Actively contributing to the G2G system architecture and operations concept in your area of expertise;
- Coordinating with the Space Segment and Ground Segment teams in your area of expertise;
- Acting as focal point in your area of expertise for G2G System aspects within the Agency and with the Programme and other external partners;
- Generating lessons learned and contributing to 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 other team members working on System design and verification, in particular with requirements 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
System engineering principles, processes and standards
Radio navigation principles, systems and technology
Management and monitoring of industrial activities (interfaces with industry, reviews, etc)

Behavioural competencies
Integrity
Problem Solving
Planning & Organisation
Communication
Teamwork

Education
A Master's degree in aerospace engineering, telecommunications engineering or similar is required.

Additional requirements

You should have a strong knowledge of GNSS systems and have acquired substantial experience in the management of industrial contracts for technology and product development.

You must 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.

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 29 October 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, Latvia 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.

Candidates shall be eligible for security clearance by their national security administration.