EUROPEAN SPACE AGENCY

Galileo G2 System AIV Engineer

Job Req ID: 11842
Closing Date: 24 June 2021
Publication: Internal & External
Vacancy Type: Permanent
Date Posted: 27 May 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
Galileo G2 System Assembly, Integration and Verification Engineer in the G2G System Engineering Unit, Galileo Second Generation Project Office, Galileo Programme Department, Directorate of Navigation.

Duties
You will be responsible for the definition and planning of the Assembly, Integration and Verification (AIV) activities at system level. This comprises compatibility between ground and space segment, specific partitions of the ground segment and service facilities; the verification and qualification of the G2G system releases through system level tests and verification credit collection at segment level; and in-orbit validation testing of system functions and performances.

This also entails Security and Public Regulated Service (PRS) AIV aspects in coordination with the detailed activities performed by those bearing responsibilities within the Galileo G2 System Security Service.
You will establish and coordinate activities within the Programme and with industrial consortia, and liaise with Agency-internal and -external entities in the development of your duties.

Within the project boundaries and constraints, under the supervision of the G2G System Engineering Head of Unit, the responsibilities of this post include:

- Leading the definition, planning and execution of the Assembly, Integration and Verification activities, including CLASSIFIED aspects of security and PRS, in a space system where re- configurability is key and the development of specific segments and facilities is based on AGILE and DEVOPS methodologies.
- Leading the G2G system requirements verification activities in the full engineering cycle;
- Leading the definition and execution of system tests both on-ground and in-orbit;
- Defining, implementing and/or procuring tools and testbeds to demonstrate, prototype, verify and validate the G2G system;

- Coordinating with the Space Segment team, and the Ground Segment team in the area of AIV;
- Contributing with the Segments teams to the qualification of the segments;
- Contributing to the definition, planning and execution of the operational validation activities;
- Acting as focal point in the areas of System AIV 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, as G2G System AIV you will coordinate the industrial support team and cooperate closely with the other team members working on System design, in particular with system engineers, system security engineers, performance and RAMS engineers, signal and receiver engineers.

You will also cooperate with Space Segment, Ground Segment, Operation support and other teams in the Directorate of Navigation, and ESA.

Technical competencies
Knowledge and Experience in Satellite Systems Engineering, with particular emphasis in GNSS Systems
Knowledge and Experience in Space Systems Assembly, Integration and Verification
Knowledge and Experience in management of industrial contracts

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

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

Additional requirements
In-depth knowledge of GNSS systems is required.

You should have managerial potential and be able to coordinate, monitor and lead the engineering support provided to the Project in your areas of expertise.

You should be able to demonstrate that you can work in a fast-paced environment and 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.

You must be ready to undergo security clearance from the relevant national authority. Already having security clearance is considered an asset.

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 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.

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