

Galileo G2 System Test Bed Manager

Job Req ID: 12499

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. 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, The Netherlands

Description

You will be responsible for the definition, design, qualification and operation of the full Galileo 2nd Generation (G2G) System Test Bed, the related procurement activities, and the Test Bed's contribution to the G2G System verification and validation. In the current phase of the project, you will establish and coordinate activities within the Programme and with industrial consortia, and liaise internally within the Agency and with external entities in the development of your duties. You will report to the Head of the G2G System Engineering Unit.

The G2G System Test Bed is a system verification and validation facility that provides the following capabilities: general support to system validation for G2G, including the evolution of Galileo 1st Generation services; demonstration of G2G new services in the initial phases of the G2G deployment; support to the In-Orbit Testing of new G2G system capabilities for the different increments of the Ground Segment and the Constellation; testing and quality assessment of legacy Galileo 1st Generation and new G2G SIS components; prototyping of the generation of new navigation mission products and new services data and end-to-end support; dissemination; and generation of reference products.

Duties

- Leading the use case definition, specification and design of the G2G System Test Bed in coordination with experts for the different (unclassified and classified) services under implementation in G2G, and with the engineers in charge of the System specification, its design and the System Integration and Verification;
- Acting as Technical Officer for the G2G System Test Bed procurement activities, monitoring them to ensure cost and schedule are met;
- Leading the implementation, verification and validation of the G2G System Test Bed as per the Agency's needs;
- Leading the contribution of the G2G System Test Bed to the System Integration and Verification plan and its execution in order to qualify the different G2G System builds;
- 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 within the Agency and with the Programme and external partners;
- Generating lessons learned and contributing to Knowledge Management initiatives in the Directorate of Navigation.

In executing your tasks, you will coordinate a support team and cooperate closely with other team members working on System design and verification, in particular with system engineers, system security engineers, performance and RAMS engineers, signal and receiver engineers, and system architects. You will also cooperate with Space Segment, Ground Segment, and other teams in the Directorate of Navigation, Technical Directorate and ESA.

Technical competencies

Knowledge and experience in management of industry contracts for technology and product development

Knowledge of GNSS Systems

Knowledge and Experience on a number of the following areas related to GNSS: Receivers, Signal Data Quality assessment, Performance Assessment, and Orbit Determination and Time Synchronisation

Knowledge and Experience in System Engineering

Behavioural competencies

Result Orientation

Operational Efficiency

Fostering Cooperation

Relationship Management

Continuous Improvement

Forward Thinking

Education

A Master's degree in telecommunications engineering or a similar field is required for this post.

Additional requirements

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

Knowledge of and experience in Agile methodologies and DevOps is considered an asset.

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.

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.

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.