

Galileo G2B Satellite System Engineer

Job Req ID: 12502

Closing Date: 31 August 2021

Publication: Internal & External

Vacancy Type: Permanent

Date Posted: 20 July 2021

Vacancy in the Directorate of Technology, Engineering and Quality.

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 G2SB1 Navigation Satellite System Engineer in the Systems Engineering Division, Systems Department, Directorate of Technology, Engineering and Quality, assigned as Integrated Support to the G2SB1-B System and AIT team in the G2 Space Segment Management Service, Space Segment Management Office, Galileo Programme Department, Directorate of Navigation.

You will report to the G2SB1-B System and AIT Manager in the G2 Space Segment Management Service, Space Segment Management Office, Galileo Programme Department, Directorate of Navigation, and will be responsible for monitoring the navigation satellite system activities of the Galileo Second Generation Satellites, including the design, development and qualification phases from KO to Q/AR as well as the ground test campaigns, and LEOP, In-Orbit testing and In-Orbit follow-up phases.

Duties

Your main tasks and duties will be:

- Controlling the alignment between system level requirement and space segment requirements;
- Reviewing the ESA requirements flow-down to lower levels (satellite, subsystem, unit), ensuring compliance with the satellite and the relevant interface and security requirements;
- Consolidating and maintaining the satellite system performance budgets to monitor compliance with the applicable requirements;
- Ensuring adequacy of the Requirement Verification Matrix and associated test specification and matrix at satellite level;
- Monitoring the industrial engineering activities relevant to the satellite system design, development, testing, verification, validation, qualification and acceptance to ensure they meet the ESA space segment requirements including launcher interfaces;
- Monitoring the industrial engineering activities relevant to the development and delivery of deliverable items as defined in the Statement of Work;
- Coordinating the specialised engineering support provided by the Directorates of Technology, Engineering and Quality and of Operations for the satellite design and test activities;

- Preparing the necessary inputs to the satellite system related NCR, NRB, ARB and RFD/W process in close cooperation with all other relevant disciplines;
- Preparing in cooperation with the G2B System and AIT Manager the G2SB1-B Satellite Verification Control Board and the Space Segment Control Board;
- Preparing the necessary inputs to the G2 System Engineering Board in your area of competence;
- Preparing in cooperation with the Galileo G2B System and AIT Manager the definition and execution of the satellite verification, qualification and acceptance programmes including the implementation/monitoring of AIT/AIV activities;
- Coordinating the Customer Furnished Items interface requirements to ensure compliance with the satellite requirements;
- Preparing in cooperation with the Galileo G2B System and AIT Manager the launcher related reviews;
- Contributing to Agency project reviews and lower-level reviews;
- Reporting regularly and on ad hoc basis to the Galileo G2B System and AIT Manager, monitoring relevant schedules proactively, identifying risk and problem areas, and proposing mitigation action;
- Monitoring applicable scientific and technological trends and maintaining state-of-the-art expertise;
- Participating, under the coordination of the System Manager, in periodic meetings with the parent division, and contributing to the transfer of lessons learned across the Agency.

In performing these duties, you will ensure close coordination with other G2SB1 functions (PA, Security, Operations) as appropriate to maximise efficiency in executing the project.

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.

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 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.