EUROPEAN SPACE AGENCY

Galileo System AIV Principal Engineer

Job Req ID: 12694
Closing Date: 20 March 2022
Publication: Internal & External
Vacancy Type: Permanent
Date Posted: 14 March 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 System AIV Principal Engineer in the Galileo G1 System Qualification Unit in the Galileo G1 System AIV and Deployment Service, Galileo First Generation Project Office, Galileo Programme Department, Directorate of Navigation.

Galileo teams at the European Space Agency's technology centre in the Netherlands are in charge of the design, development, procurement, integration and qualification of the Galileo system, including the constellation of satellites in medium-Earth orbit and the ground segment for mission control and security monitoring deployed at remote sites all over the world.

Duties
The Galileo System AIV Principal Engineer reports to the Head of the Galileo First Generation (G1) System Qualification Unit and is in charge of the preparation and execution of the following activities:

- Establishing an overall programme of work and associated planning for Galileo G1 System Verification and Qualification;
- Following up on the industrial activities related to System Verification and Qualification of Galileo G1;
- Contributing to the definition, preparation and execution of Galileo G1 Ground Segment verification and qualification activities;
- Supervising the definition, preparation and execution of Galileo G1 System verification and qualification activities;
- Coordinating the System Verification activities with EUSPA and the Galileo Service Operator in the relevant change control boards and planning meetings;

- Following up System and OPS non-conformances and anomalies in the corresponding non-conformance and anomaly review boards (NRB, ARB), ensuring their resolution as quickly as possible and maintaining the overall Galileo G1 qualification status;
- Providing support for preparation of the System Qualification status by reviewing design changes, new developments and changes outside the system requirements and assessing their impact on System Qualification;
- Contributing to the definition of the system tools required to support system qualification and validation activities and coordinating their deployment and use for System AIV;
- Coordinating with all project disciplines, namely the Ground Segment, Space Segment, PA and Safety and Project Control, as required.

Technical competencies

Design, development, deployment and testing of complex secure systems
Management and monitoring of industrial activities (interfaces with industry, reviews, etc)
Knowledge on large scale complex ground and space system architecture including interfaces, networks and protocols
Knowledge of ESA Space systems development and verification

Behavioural competencies

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

Education

A Master's degree in physics, electrical or aerospace engineering or a related field is required.

Additional requirements

- At least 5 years' experience in system-level testing, including the organisation of related campaigns. Good knowledge of ground segment and/or satellite operations and infrastructure.
- Proven experience in the verification of complex satellite systems, with several satellites and ground stations, providing services to users, possibly in the GNSS context, is an asset.
- Knowledge of mission, spacecraft and/or payload operations will be considered an asset.
- 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.
- Candidates shall be eligible for security clearance by their national security administration.

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, 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.