

EUROPEAN SPACE AGENCY

Galileo G2 PRS Engineer

Job Req ID: 12857

Closing Date: 29 November 2021

Publication: Internal & External

Vacancy Type: Permanent

Date Posted: 01 November 2021

Vacancy in the Directorate of Navigation.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce & 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 G2 PRS Engineer in the Galileo Second Generation System Security Service Unit, Galileo Second Generation Project Office, Galileo Programme Department, Directorate of Navigation.

Duties

You will contribute to overall activities related to PRS Engineering in the Galileo Second Generation, including the definition and consolidation of requirements, as well as their verification, validation, qualification and certification. You will establish and coordinate activities within the Programme and with industrial consortia, and liaise with Agency internal and external entities in the performance of your duties.

Within the project boundaries and constraints, and under the supervision of the Head of Galileo Second Generation System Security Services, your responsibilities will include:

- leading G2 activities addressing the definition and consolidation of the PRS User Access Control and PRS User Management requirements, ensuring the correct implementation and technical end-to-end consistency at System level;
- leading the definition, analyses and consolidation of the PRS User Access Control, PRS User Management requirements and the definition of PRS operational modes, ensuring the correct implementation and technical end-to-end consistency at System and Segment level;

compatibility aspects for which tight coordination with the G2G System Engineer Services will be required;

- leading Special Need to Know RF Signal Compatibility aspects;
- contributing to the G2G System architecture and Concept of Operations on PRS aspects;
- leading the flow-down of the PRS Concept of Operations to Signal and Access Control specifications and supporting the procurement of Galileo PRS system tools in preparation for PRS Testbed activities;
- supporting system design reviews (PDR and CDR) as well as the qualification phase reviews (QR);
- contributing to risk analyses related to the PRS Signal in Space and the PRS User Access Control;
- supporting the Agency's interaction with the Working Group of National Experts Team WG- TEC, WG SPECIAL PRS, Security Accreditation Panel (GSAP);
- supporting the preparation of PRS documentation required by the SAB to support the accreditation process;
- supporting the implementation of the G2G PRS IOC and FOC Services, including the completion of the associated system infrastructure and service milestones as well as the corresponding service validation activities;
- generating lessons learned and contributing to the Knowledge Management initiatives in the Directorate of Navigation;
- supporting R&D activities within the Galileo Second Generation Project, EGEP, H2020 and Horizon Europe Programmes.

In the execution of your tasks, you will coordinate an industrial support team and cooperate closely with the other team members working on System design and verification. You will cooperate with Space Segment, Ground Segment, Operation support and other teams in Directorate of Navigation, the Technical Directorate and within ESA.

Technical competencies

Knowledge and Experience in System Engineering

Knowledge and Experience in PRS Signal in Space and PRS User Access Control

Knowledge and Experience in Satellite navigation system and related security architectures

Experience in managing industrial contracts

Behavioural competencies

Result Orientation

Operational Efficiency

Fostering Cooperation

Relationship Management

Continuous Improvement

Forward Thinking

Education

A Master's degree in telecommunications, aerospace engineering or another relevant field is required for this post.

Additional requirements

You should have a strong knowledge on security features, access control and GNSS system

You should have good interpersonal and communication skills. You should have the ability 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 eligible to obtain security clearance from your national security authority.

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 via 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.