

Job Title: G2G Mission Planning Engineer

Requisition ID 10123 - Posted 15/12/2020



EUROPEAN SPACE AGENCY

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. Applications from women are encouraged.

Post

G2G Mission Planning Engineer

This post is classified A2-A4 on the Coordinated Organisations' salary scale.

Location

ESTEC, Noordwijk, The Netherlands

Description

Galileo 2nd Generation (G2G) Mission Planning Engineer, in the Commercial User Segment and Navigation System Validation Section, Radio Frequency Systems Division, Electrical Department, Directorate of Technology, Engineering & Quality.

You will be assigned as integrated support to the function of G2G Mission Planning Engineer in the Galileo G2 Ground Segment Management Service, within the Galileo Ground Segment Management Office, Directorate of Navigation. At the start of this assignment, training will be provided and familiarisation with the parent Department's remit, processes and procedures facilitated.

The G2G Mission Planning Engineer supports the procurement and development of the next generation of Ground Segment for Galileo. Using state of the art technology and development processes, the 2nd Generation Galileo Ground Segment will put the planning function at the centre of all Ground Segment operations, raising the level of automation and reducing both maintenance and operational costs.

The G2G Ground Mission Planning Engineer will lead this transformation by overseeing the specification, design and development of the associated automation and planning functions.

The implementation phase will apply the Scaled Agile Framework.

Duties

The main duties for the G2G Mission Planning Engineer will include:

- leading the consolidation of a 2nd Generation end-to-end planning and automation concept;
- supporting management of the 2nd Generation Galileo Ground Segment unclassified and classified technical baseline (applicable requirements and standards);
- supporting definition of the 2nd Generation Galileo Ground Segment Statement of Work (SoW) according to the applicable standards and system design objectives;
- providing support to the 2nd Generation Galileo system design activities as necessary to ensure consistency with the end-to-end planning and automation concept;
- supporting specification of prototyping and pre-development activities to support end-to-end planning and automation concept;
- regular reporting to the Head of the Galileo G2 Ground Segment Management Service;
- supporting Ground Segment reviews according to the SoW milestones and applicable standards.
- contributing to the dissemination of results of activities performed and knowledge transfer across and outside the Agency in accordance with management approval.

Technical competencies

State-of-the-art knowledge in area of IT Infrastructure and Agile software development and related IT trends in industry

Experience with Platform and Payload Operations

Experience with development and maintenance of ground segments

Understanding of user needs in complex software systems

In-depth knowledge of Galileo system and ground segment architecture

Knowledge and understanding of cyber security matters

Solid understanding/knowledge of requirements engineering

Behavioural competencies

Customer Focus

Planning & Organisation

Education

A Master's degree in information technology, electrical engineering or other scientific discipline is required.

Additional requirements

- You must have, or be able to obtain, security clearance to 'ESA Secret' level.
- You should have a good knowledge of Agile TM software engineering techniques. Knowledge of a scaled agile methodology (e.g. SAFe) would be a further advantage.
- Experience and understanding of the following technologies and engineering practices would also be considered an asset: Model-Based Systems Engineering (MBSE), Platform as a Service (PaaS), virtualisation, Infrastructure as a Service (IaaS), microservices, Confluence, Kafka, software defined radio, laser ranging.

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.

The closing date for applications is 12 January 2021.

If you require support with your application due to a disability, please 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 and Slovenia and in addition of Member States of the European Union not members of ESA: Bulgaria, Croatia, Cyprus, Lithuania, 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.

Candidates shall be eligible for security clearance by their national security administration.