

Ground Control Segment Network System Engineer

Job Req ID: 12870

Closing Date: 7 January 2022

Publication: External Only

Vacancy Type: Fixed-Term

Date Posted: 10 December 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 is a non-renewable post for a limited duration of 4 years and is classified A2-A4 on the Coordinated Organisations' salary scale.

Location

ESTEC, Noordwijk, Netherlands

Description

Ground Control Segment Network System Engineer for the Ground Control Segment Management Unit, Galileo Ground Segment Management Office, Galileo Programme Department, Directorate of Navigation.

Duties

- Following up design activities and all reviews at Ground Control Segment (GCS) level (segment and element architecture, performances and security accreditation) while paying special attention to the impact on and compliance with the System requirements;
- Contributing to the unclassified and classified GCS Technical Baseline evolutions (applicable requirements and standards) for the Galileo Exploitation Phase and Galileo Second Generation (G2) Ground Segment (including the ground segment required for the first batches of G2 IOV satellites), focussing on the flow-down of the System Baseline to GCS;
- Responsibility for supporting and following up the procurement carried out by the GCS Prime industrial contractor for the Network elements;
- Interfacing with other areas of the project on Network-related topics;
- Supporting Interface Control Document (ICD) definition, flow-down and implementation, with the emphasis on the Network-related areas;
- Supporting the related procurement of the GCS infrastructure, with the focus on Network-related activities, providing technical input to the GCS-related procurement process, including new procurements/change request data-pack production, internal reviews and proposal evaluations;
- Supporting the Ground Segment procurement activities required for the Galileo Second Generation Ground Segment;
- Supporting other segments (space, operations, GMS, security) for the provision of expertise related to GCS interfaces and functionality, especially in the area of networks;
- Interacting with other Galileo Segments: maintenance of efficient interfaces with other disciplines in the Project, in particular with Galileo Mission Segment (GMS), System

Engineering and Operations.

Technical competencies

Hands-on experience in state-of-the-art software development technologies, especially in the area of networks, automation and virtualised environments

ESA Ground Segment procurement, development and verification processes and standards (including code of best practices and project reviews)

System engineering

Experience of managing technical interfaces between subsystems both within ESA project team environment and for the industrial consortium

Management and delivery of Ground Segment development projects within cost and schedule

Experience in multi-agency cooperative programmes

Behavioural competencies

Result Orientation

Operational Efficiency

Fostering Cooperation

Relationship Management

Continuous Improvement

Forward Thinking

Education

A Master's degree in software or aeronautical engineering is required for this post.

Additional requirements

You should have substantial experience in Phase C/D/E projects, and a good background in ground system design, development, deployment and testing. Systems engineering experience in a relevant context and a sound knowledge of networks, automation and virtualisation technologies are important.

You are expected to have a proactive attitude to problem-solving, plus good planning and organisational skills. You should demonstrate responsible decision-making and be able to work and communicate effectively in a team setting.

Knowledge of modern computer systems, programming languages, engineering standards and tools such as VMware is required. Familiarity with the data processing solutions and techniques for satellite control systems is also desirable.

You must be eligible for security clearance from the relevant national 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 at 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 view of the limited duration of this post, internal candidates are strongly advised to contact their HR advisor before applying.

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.