

Job Title: Ground Control Segment System Engineer

Req ID 8722 - Posted 17/10/2019



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

Ground Control Segment System Engineer

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

Location

ESTEC, Noordwijk, The Netherlands

Description

Ground Control Segment (GCS) System Engineer in the Ground Control Segment Procurement Service, Galileo GS Procurement Office, Galileo Programme Department, Directorate of Navigation.

Duties

Reporting to the Head of Service, the postholder will discharge the following responsibilities and duties:

- supporting the unclassified and classified GCS technical baseline evolutions (applicable requirements/standards) for the Galileo Exploitation Phase, Transition Phase and Galileo Second Generation (G2G) Ground Segment, focussing on the flow-down of the system baseline;
- supporting the ground-to-space ICD definition, flow-down and implementation for the Transition Phase and G2G GS;
- following up design activities at segment level (architecture, performance, segment, components, site security accreditation) paying special attention to the impact on and compliance with System requirements;
- supporting the procurement and upgrade of the Galileo ground stations (S-band);
- managing the obsolescence plan and resolution;
- supporting other segments (space, operations, GMS, security) for the provision of expertise related to GCS interfaces and functionality;
- providing technical input to the GCS-related procurement process, including ITT data-pack production, internal reviews and proposal evaluations;
- interacting with other Galileo segments: maintaining efficient interfaces with other project disciplines, in particular System Engineering and Operations;
- supporting ground segment procurement activities for G2G and the Transition programme;
- coordinating for all the above with the relevant Engineering Divisions within the Ground Systems Engineering and Innovation Department of the Directorate of Operations.

Technical competencies

System engineering

Experience in the definition and in the implementation of Ground Segment projects

ESA space systems procurement, development and verification processes and standards (incl. code of best practices and project reviews)

Experience in software development projects

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

Experience in multi-agency cooperative programmes

Behavioural competencies

Responsible Decision-Making
Problem Solving
Planning & Organisation
Communication
Teamwork

Education

Master's degree in software engineering or aeronautical engineering.

Additional requirements

Applicants should have substantial experience in project phases C/D/E and a good background in ground system design, development, deployment and testing. System engineering experience in a relevant context and a sound knowledge of automation and virtualisation technologies are important.

For G2G activities, applicants are expected to be knowledgeable of new GSEG technologies and state-of-the-art methodology (e.g. Agile, CI/CD, DEVOPS). This will be used in the context of highly secured, complex, segregated and distributed ground segment, enabling faster deployment of evolutions while reducing CSEG development, operation and maintenance costs.

Knowledge of computer systems, programming languages, engineering standards and tools such as DOORs is required.

Applicants must be eligible for security clearance by the national relevant 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.

The closing date for applications is 07 November 2019.

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 and Slovenia and in addition of Member States of the European Union not members of ESA: Bulgaria, Croatia, Cyprus, Latvia, 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. (<http://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.