

Job Title: Ground Segment Product Assurance Engineer

Job Requisition ID 10407 - Posted 28/10/2020



EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Technology, Engineering and Quality.

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 Segment Product Assurance Engineer

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

Location

ESTEC, Noordwijk, The Netherlands

Description

Ground Segment Product Assurance Engineer in the Product Assurance and Safety Department, Directorate of Technology, Engineering and Quality

Duties

After an initial period of training and familiarisation in the Product Assurance and Safety Department, you will be assigned as Integrated Support to the Directorate of Navigation and will report to the Head of the Galileo Ground Segment Product Assurance and Safety Unit for the specific responsibilities and duties outlined hereunder.

For the maintenance of professional standards, for the implementation of ESA's general Product Assurance and Safety (PA&S) policy and for contributions to corporate tasks (e.g. reviews, standardisation, alerts, lessons learned, etc.), you will report to the Head of the Product Assurance and Safety Department through the Head of the Navigation Product Assurance and Safety Office.

Specific responsibilities and duties include:

- establishing and maintaining the particular project PA&S requirements baseline for the Galileo ground segments in compliance with ESA's general PA&S policy;
- reviewing contractors' plans, specifications and efforts proposed for the execution of the project PA&S programme;
- guiding and monitoring the implementation of PA&S requirements by contractors in order to assess performance/effectiveness, participating in design reviews and managing the necessary preventive or corrective actions;
- representing ESA on the boards established within the project for dealing with non-conformances, failure reviews, test reviews, etc.;
- ensuring implementation of the software PA and software configuration management requirements baseline across the Galileo ground segments;
- monitoring integration and test activities with quality assurance audits, mandatory and key inspection points, test witnessing and configuration inspections;
- supporting the definition of the formal acceptance requirements and conduct of acceptance reviews of all contractual deliverable items;
- ensuring the preparation of design trade-offs, analyses and reports using RAMS (Reliability, Availability, Maintainability and Safety) data to support project decisions;
- supporting security activities for ground segments as appropriate;
- participating in periodic meetings with the parent organisational unit and contributing to the transfer of technical knowledge and lessons learned across the Agency.

In the execution of these tasks, you will be supported by experts from the Galileo Project team and from the ESA Directorate of Technology, Engineering and Quality.

Technical competencies

Knowledge of Quality Management, Product Assurance and Safety disciplines
Experience in the management and monitoring of industrial activities, including participation in reviews
Project support experience in a relevant domain
Experience with Space Quality Standards and their preparation and implementation
Experience with the design, development and application of product assurance tools and methods

Behavioural competencies

Problem Solving
Responsible Decision-Making
Communication
Teamwork
Planning & Organisation

Education

A Master's degree in an engineering discipline is required.

Additional requirements

You should have a background in space systems. Experience in the management of PA for a large project is required, together with a good knowledge of software and RAMS engineering techniques, preferably in the domain of aerospace development. Experience in the security domain is an asset.

You must also be eligible for security clearance by your 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.

The closing date for applications is 18 November 2020.

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.

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.