

Job Req ID: 12230
Agency: ESA

Product Assurance and Safety Engineer



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. For this purpose, we welcome applications from all qualified candidates irrespective of gender, sexual orientation, ethnicity, beliefs, age, disability or other characteristics. Applications from women are encouraged.

Post **Product Assurance and Safety Engineer**

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

Location

ESTEC, Noordwijk, The Netherlands

Description

Product Assurance and Safety (PA&S) Engineer in the Product Assurance Management Section, Quality, Dependability and PA Support Division, Product Assurance and Safety Department, Directorate of Technology, Engineering and Quality.

The Section provides functional support to ESA projects and is responsible for the development, implementation and maintenance of product assurance and safety (PA&S) engineering and management programmes. It carries out technological research (R&D) in the fields of PA&S management, techniques, methodologies and tools. It collaborates in standardisation and training activities.

After an initial period of training and familiarisation with the parent Department's mandate, processes and procedures, you will be assigned as Integrated Support to the Directorate of Navigation and will report to the Head of the Galileo System 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.

Duties

Your main tasks and responsibilities will include:

- coordinating and supporting the definition of the applicable PA&S requirements;
- supporting the monitoring and reporting of the suppliers' PA&S programme execution to ensure compliance with the applicable requirements;
- contributing to technical boards relative to the execution of the projects' PA&S programme. This includes but is not limited to: non-conformance reviews, failure investigations, materials, parts and processes reviews, manufacturing and test reviews, and any other project-specific reviews;
- supporting the establishment and implementation of standards and best practices in the field of PA&S;
- participating to Agency-level project review PA&S panels as well as project internal reviews;
- contributing to the dissemination of the results of the activities performed and transfer of technical knowledge and lessons learned across the Agency.
- participating in periodic meetings with the parent section

Specific duties within the Galileo System Product Assurance activities include:

- providing PA&S support to the Galileo First Generation System Integration, Verification (SIV) qualification and deployment activities;
- reviewing test procedures and test reports and supporting test reviews;
- witnessing test executions and report on the status and the major issues;
- supporting configuration inspections as needed;
- contributing to the identification and processing of non-conformances and to the proceedings of the Galileo Non-conformance Review Boards (NRB);
- ensuring the preparation of design trade-offs, analyses and reports using RAMS (Reliability, Availability, Maintainability and Safety) data to support project decisions;
- providing PA&S support to Galileo Second Generation activities
- providing PA&S support to Galileo Security related activities when required;
- providing PA&S support to Global Navigation Satellite System (GNSS) Evolution activities;
- monitoring and providing feedback on industrial Contractor activities.
- supporting the implementation and maintenance of the Navigation Directorate Quality Management System.

Duties may also include supporting other activities within the post holder's field of competence

Technical competencies

- Knowledge of Product Assurance, Safety and Quality Management disciplines
- Experience in the technical domains covered by the position
- Understanding of related technologies, R&D trends and the industrial landscape
- Experience in the management and monitoring of industrial activities, including participation in reviews
- Experience with Space Quality Standards and their preparation and implementation

Behavioural competencies

- Result Orientation
- Operational Efficiency
- Fostering Cooperation
- Relationship Management
- Continuous Improvement
- Forward Thinking

Education

Master's degree in engineering or technical sciences is required.

Additional requirements

Solid experience in the technical domains covered by the position.
Experience in configuration management, quality auditing or assessor certification are considered assets.
You must 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 07 April 2021.

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 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.
(<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.