

## Job Title: Product Assurance and Safety Engineer

Req ID 4841 - Posted 09/03/2018



### 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

Product Assurance and Safety Engineer

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

This position forms part of ESA's Advance Recruitment Scheme which is established to provide appropriate staffing resources when requirements materialise. Appointments are therefore made for an initial duration of two years upon which the selected candidate may be appointed to a permanent post in the Agency.

#### Location

ESTEC, Noordwijk, The Netherlands

#### Description

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

The Quality Assurance and Management Section provides functional support to ESA projects and is responsible for the development, implementation and maintenance of product and quality assurance expertise and standards. The Section carries out technological research (R&D) in the field(s) of product and quality assurance management, techniques, methodologies and tools. It also collaborates in standardization and training activities.

#### Duties

Reporting to the Head of Section and within the technical fields described above, the main tasks and responsibilities of the post holder will include:

- providing expert support to ESA projects, programmes and general studies in the field of product assurance and quality management;
- preparing and implementing general and project-specific programmatic and technical requirements based on the applicable product and quality assurance baseline;
- supporting the evaluation of contractors' documentation and efforts proposed for the execution of product and quality assurance programmes;
- supporting the monitoring of the contractors' product and quality assurance programme execution to ensure compliance with the requirements established;
- planning, performing and following up quality audits of contractors and their in-house standards for compliance with baselined technical requirements;
- supporting the management of certification and verification schemes established in relation to Agency standards and specifications;
- managing the design, development and maintenance of product and quality assurance tools, e.g. ESA alerts, internal problem notification, non-conformance management systems;
- defining, initiating and managing R&D activities (in the fields of product and quality assurance requirements, techniques, methodologies and tools) covering both long- and short-term needs;
- supporting the establishment and implementation of standards and best practices in the field of product and quality assurance;
- liaising with designated organisations for the co-ordination of product and quality assurance support;
- coordinating the development and maintenance of product assurance and safety information management systems;
- monitoring applicable scientific and technological trends and maintaining a state-of-the-art expertise;
- contributing to the dissemination of the results of the activities performed and the transfer of knowledge across the Agency.

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

#### Technical competencies

General background and specific experience in the technical domains covered by the position  
Understanding of related technologies, R&D trends and the industrial landscape  
Experience with the application of SW product assurance tools and methods  
Knowledge in analysis and monitoring of industrial activities impacting geographical and industrial return  
Experience with Space Quality Standards and their preparation and implementation  
Experience with the design, development and application of relevant tools and methods

#### Behavioural competencies

Communication  
Teamwork  
Customer Focus  
Problem Solving  
Results Orientation  
Planning & Organisation

#### Education

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

#### Additional requirements

Knowledge of hardware and/or software configuration management. Experience working with quality and information management systems. Candidates must be eligible for security clearance by their 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 06 April 2018.**

If you require support with your application due to a disability, please email [contact.human.resources@esa.int](mailto: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, Slovenia, Spain, Sweden, Switzerland, the United Kingdom, Canada and Slovenia.

Priority will first be given to internal candidates and secondly to external candidates from under-represented Member States.

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.