

## Orion-ESM Product Assurance and Safety Manager

**Job Req ID:** 12691

**Closing Date:** 30 August 2021

**Publication:** Internal & External

**Vacancy Type:** Permanent

**Date Posted:** 19 July 2021

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

### Location

ESTEC, Noordwijk, The Netherlands

### Description

You will be assigned as integrated support from the Product Assurance and Safety Department to the Directorate of Human and Robotic Exploration within the Product Assurance and Safety Team and will report hierarchically to the HRE Product Assurance and Safety Team Leader and functionally to the Orion-ESM Project Team Leader.

For matters relating to the maintenance of professional standards, the implementation of the ESA general Product Assurance and Safety (PA&S) policy and 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 Product Assurance and Safety Team Leader.

### Duties

Your specific responsibilities and duties will include:

- Establishing and maintaining the particular PA&S requirements baseline for assigned contracts, in compliance with ESA's general PA&S policy;
- Reviewing contractors' plans, specifications and effort 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 and safety reviews and directing the necessary preventive or corrective actions;
- Representing ESA in the boards established for reviews (Failure Reviews, Test Reviews, etc.) and treating non-conformances / anomalies, etc.;
- Guiding and monitoring the application and procurement of Electrical, Electronic and Electromechanical (EEE) parts, materials and processes and controlling implementation of applicable requirements;
- Ensuring the implementation of the software PA requirements baseline;
- Ensuring the preparation of design trade-offs, analyses and reports using Reliability, Availability, Maintainability and Safety (RAMS) data to support project decisions;
- Monitoring the manufacturing, integration and test activities with quality assurance audits, mandatory and key inspection points, test witnessing and configuration

- inspections;
- Defining the formal acceptance requirements and conducting Acceptance Reviews for all contractual deliverable items;
  - Reviewing contractors' PA&S analyses and Safety Data Packages, ensuring that they are available on the planned dates in order to support the safety review schedule, in coordination with the safety authorities;
  - Representing ESA at formal NASA ESM safety reviews and managing the follow up activities;
  - Providing support for the tracking of the overall implementation of PA&S verifications to support the Certificate of Flight Readiness (CoFR) process and statements;
  - Supervising the performance of the contractor's PA&S activities during the launch campaign;
  - Planning, coordinating and monitoring the assigned PA&S workforce providing support to the project team

In the execution of these tasks, you will be supported by experts from the project team and ESA's Directorate of Technical and Quality Management.

### **Technical competencies**

Knowledge of Product Assurance, Safety and Quality Management disciplines  
Experience in managing and monitoring industrial activities, participation in reviews  
Experience with the application of product assurance tools and methods  
Experience in the technical domains covered by the position  
Experience with Space Quality Standards and their preparation and implementation  
Experience in crewed vehicle development and production

### **Behavioural competencies**

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

### **Education**

A Master's degree in engineering for this position is required.

### **Additional requirements**

- Understanding and experience in operating with international partners;
- Attending meetings and boards with international partners as well as representing ESA during activities with NASA;
- Guiding the technical configuration management team to support the development and deliveries of deliverable items to NASA

### **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 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, Spain, Sweden, Switzerland, the United Kingdom and Canada, Latvia, Lithuania 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.