

Job Title: Vega Development Product Assurance Manager

Req ID 7503 - Posted 30/07/2018



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

Vega Development Product Assurance Manager

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

Location

ESTEC, Noordwijk, The Netherlands with resident assignment at ESRIN, Frascati, Italy

Description

The postholder will be assigned as integrated support to the Directorate of Space Transportation (STS) and will report functionally to the Vega Development Programme Manager of the STS Development Department for project-specific responsibilities and duties. For the maintenance of professional standards, for the implementation of the ESA general Product Assurance & Safety (PA&S) policy and for contributions to corporate tasks (e.g. reviews, standardisation, alerts, lessons learned), he/she will report hierarchically to the Head of the Product Assurance & Safety Department through the Head of the STS Product Assurance, Safety & Quality Management Office.

The postholder will be responsible for overall implementation of PA&S requirements and activities for the Vega-C Development, SSMS, Venus and Space Rider projects as well as Vega Evolutions.

Training and familiarisation with the parent Department's mandate, processes and procedures will be provided at the start of this assignment.

Duties

Specific responsibilities and duties include:

- Identifying, monitoring and coordinating the resources and PA workforce needed for performing the functions under this responsibility, and interfacing with the parent department as required;
- ensuring close coordination and cooperation with the Vega Exploitation PA&S Manager to guarantee synergies within Vega PA&S overall;
- cooperating with safety officers for RAMS activities (in particular during major reviews or when NCR/RFWs could impact safety aspects);
- supporting the Head of the PA, Safety & Quality Management Office in the coordination of National Surveillance Organisations (NSO) for Vega Development;
- preparing, managing and following up Vega Development audit plans in close coordination with the Vega Exploitation PA&S Manager and prime, and carrying out audits as required;
- being the focal point for processing requests for waivers (RfW) for Vega Development in the Vega/IPT team and for approving major (MAS or MAL) requests for waivers/deviations under ESA responsibility;
- analysing and assessing change requests (CP) for Vega Development, including associated projects/products in the design or processes (particularly where PA requirements are impacted);
- establishing, maintaining and coordinating approval of the PA requirements baseline for Vega-C Development and associated projects/products as well as Vega Evolutions, in compliance with general ESA PA&S policy and

- any legally-applicable requirements for launch system exploitation from the Guiana Space Centre (CSG);
- reviewing contractors' plans and specifications proposed for the execution of Vega-C Development and associated projects/products as well as Vega Evolutions, ensuring PA requirements are duly taken into account throughout the entire contractual chain;
- verifying fulfillment of PA requirements during programme reviews and other milestones, participating in design reviews and managing related PA actions/recommendations;
- guiding, monitoring and assessing contractors' implementation of PA requirements and their performance/effectiveness;
- preparing and approving/accepting relevant PA documents and RAMS documentation (critical items list, FMEA, dependability analysis, etc.);
- defining formal acceptance requirements and managing acceptance of contractually deliverable items (hardware) while guiding the necessary preventive or corrective actions;
- ensuring implementation of the software PA requirements baseline using PA support as appropriate;
- representing ESA/IPT in project boards dealing with major non-conformances, waivers, failure reviews and quality enquiries, test reviews, etc.;
- monitoring manufacturing, integration and test activities with QA audits, mandatory and key inspection points, test witnessing and configuration inspections for items manufactured under Vega-C Development, the Venus project and Vega Evolutions;
- guiding and monitoring application and procurement of EEE parts, materials and processes, controlling implementation of applicable requirements by participating in MPCB (Materials and Processes Control Boards) and ECEB (Electronic Component Evaluation Boards).

To increase synergies within the Directorate of Space Transportation and when requested by the Head of the STS PA, Safety & Quality Management Office, the postholder may also be assigned additional ad hoc activities supporting other STS programmes/activities.

Technical competencies

General background and specific experience in the technical domains covered by the position

Project support experience in a relevant domain

Spacecraft systems knowledge

Balanced sense of responsibility between PA and overall project responsibilities

Experience in the conducting of quality audits

Experience in the management and monitoring of industrial activities, including participation in reviews

Behavioural competencies

Communication

Relationship Management

Teamwork

Results Orientation

Problem Solving

Planning & Organisation

Education

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

Additional requirements

Several years of experience in the management of Product Assurance and Safety are required as well as a good knowledge of the launchers domain and proven experience in interfacing with partners in an international environment.

The working languages of the Agency are English and French. A good knowledge of both languages is required. Knowledge of another member state language is an asset.

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 10 September 2018.

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.

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.