

Launcher System Engineer

Job Req ID: 14127

Closing Date: 02 January 2022

Publication: Internal & External

Vacancy Type: Permanent

Date Posted: 29 November 2021

Vacancy in the Directorate of Space Transportation.

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

ESA Headquarters, Paris, France

Description

Launcher System Engineer, Ariane 6 Programmes, Flight Programmes, Directorate of Space Transportation.

Duties

The Launcher System Engineer will be in charge of the summary of the Ariane 6 Launcher Flightworthiness assessment, as part of providing support to Ariane 6 Launcher System Development (STS-PAD) for the maiden flight and to Ariane 6 Launcher System Exploitation (STS-PAE) for the exploitation flights. The Launcher Flightworthiness assessment contributes to the overall Launch System Flightworthiness assessment, which is under the responsibility of Ariane 6 Launch System Engineering (STS-PX).

Your duties will include:

- Leading the process of assessing launcher flightworthiness under Ariane 6 Programmes (STS-PA) and of technical support;
- Assessing whether the launcher elements produced for the purpose of a given mission are actually qualified taking into consideration the qualification domain achieved and any existing limitations on use;
- Assessing Production Technical Events (PTEs) and whether conformance to High-Level Requirements would be called into question by those PTEs;
- Identifying topics requiring further investigation and/or independent verification analysis, and managing that further investigation;
- Interacting with industry to obtain the information necessary for the assessment and sharing with industry the results of the ESA assessment to improve confidence in flightworthiness;
- Drafting the necessary assessment results document;
- Representing ESA for the launcher production reviews (e.g. First Article Configuration Review (FACR), Launcher Board);
- Providing assessment of the Launcher segment to the ESA representative for Launch System Reviews, notably Testworthiness Review, Flight Readiness Review, Launch Readiness Review, Flight Exploitation Review.

You will be part of the Ariane Integrated Project Team (Ariane-IPT). You will interact with the oversight on their respective perimeter, as well as with the embedded team and the Product Assurance Manager. You will interact with STS-PX in bringing the launcher contribution to overall Launch System Flightworthiness.

Technical competencies

Multi-disciplinary knowledge of area of responsibility
Project experience and track record in complex projects management
Complex project risk management processes
Experience in development and production of launch vehicle and sub-systems
Knowledge of space industry
Knowledge of space transportation systems
Knowledge of ESA and industrial development, verification and procurement processes

Behavioural competencies

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

Education

A master's degree in engineering is required for this post.

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 welcome people with disabilities. Whenever possible, we seek to accommodate individuals with disabilities by providing the necessary support in the workplace. The Human Resources Department can also assist during the recruitment process. If you would like to discuss this further please contact us 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, 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 or balanced 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.

*Member States, Associate Members or Cooperating States.