

Job Title: System Engineer

Requisition ID 11826 - Posted 24/11/2020



EUROPEAN SPACE AGENCY

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. Applications from women are encouraged.

Post System Engineer

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

Location

ESA Headquarters, Paris, France

Description

System Engineer in the Future Launchers Preparatory Programme, Beyond LEO Space Transportation Group, Future Space Transportation Systems Preparation Department, Directorate of Space Transportation.

Duties

You will report to the Beyond LEO Space Transportation Manager and be responsible for space transportation system and service-oriented studies with a view to future space transportation applications.

The responsibilities of the post include:

- assessing future space transportation services based on institutional user requirements;
- taking charge of internal studies within the Agency and the technical management of studies contracted with European industry;
- developing complementary in-house tools for space transportation mission analysis, in coordination with the Collective Launch Service Procurement Office and the Directorate of Technology, Engineering and Quality;
- defining system concepts that increase the versatility and competitiveness of European space transportation solutions;
- ensuring the matching of system concepts, in particular with European Human and Robotic Exploration needs (Directorate of Human and Robotic Exploration Programmes);
- contributing to system requirement flow-down to key enabling capabilities;
- defining industrial activities and establishing relevant statements of work;
- managing and participating in the evaluation of tender submissions and the negotiation and implementation of corresponding contracts, in collaboration with the Procurement Department and other relevant ESA departments;
- supporting Future Space Transportation Preparation (STS-F) technology and demonstration roadmaps in collaboration with technology and flagship demonstrator teams, with respect to system concept needs;
- supporting the diversification of space transportation stakeholders through spin-in/spin-off in order to strengthen the STS-F technology and demonstration roadmap;
- preparing and organising necessary reviews/key points.

You will be assisted as necessary by support staff, such as project control, contracts, legal and quality staff, and by engineers from the Directorate of Space Transportation and the Directorate of Technology, Engineering and Quality and from national agencies under the FLPP technical assistance scheme.

Technical competencies

Extensive experience in orbital space transportation mission analysis
Master ASTOS, GMAT software and any additional programming language (Matlab, Python)
Knowledge of system engineering and PA standards
Knowledge of space transportation architecture and technologies
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 PhD or Master's degree in space transportation is required.

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 22 December 2020.

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, 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.