

# Job Title: Launch System Engineer

Req ID 2441 - Posted 11/09/2017



## 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

#### Launch System Engineer

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

### Location

ESA Headquarters, Paris, France

### Description

Launch System Engineer in the Ariane 6 Launch System Architect, Launchers Development Department, Directorate of Space Transportation

### Duties

The post is under the hierarchical responsibility of the Ariane 6 Launch System Architect Manager and integrated in the Ariane Project Team (APT) located at ESA HQD premises in Paris, the postholder will be responsible for the day-to-day management of tasks related to Ariane 6 launch system development activities including:

- Launch System Definition Control by generation of Launch System Interface Identification Documents and Interface Control Data starting from Launcher System and Launch Base external interface definition data;
- Mastering the definition and the implementation of an interface control data maturation plan and securing its timely implementation through interaction with Launcher System and Launch Base Prime Contractor's;
- Following-up technical assistance teams located at Daumesnil (Paris – FR) and Les Mureaux (Paris area - FR) premises and supporting ESA in the Launch System Definition Control task;
- Proposing effective solutions for the management of interface control data in the flow of Launch System verification activities in synergy with the product life-cycle management tools adopted by the Launch Service Provider and the Launcher System Prime Contractor;
- Defining and maintaining performance indicators concerning the implementation of the interface control data maturation plan and the preparation of Operational Qualification Reviews of Ariane 6;
- Interfacing the Launch System Verification and the Launch System Integration and Test teams to secure they have interface control data on quality and on time;
- Producing expected values for the launch system tests results by running analyses and simulation campaigns as necessary and supported by technical assistance teams;
- Supporting the definition and implementation of a Configuration Control procedure making best use of the adopted interface control data management systems;
- Setting up and implementing the procedure for the Ariane 6 Launch System Operational Qualification Review 1 and 2.

Responsibilities of the incumbent include the following duties:

- Supporting Ariane 6 Launch System Change Board process;
- Monitoring the schedule, risks and cost-effective implementation of the relevant procurements as well as the maintenance of up-to-date related technical budgets;
- Supporting the launch system risk management for the topics of his/her concern;
- Coordinating the specialised technical assistance from the Directorate of Technical and Quality Management (D/TEC), CNES/Direction des Lanceurs and industry partners in the appropriate areas of competence;

- Approving technical notes prepared by the technical assistants;
- Coordinating with the Ariane 6 Launcher Project (STS-DA) and Ariane 6 Launch Base Project (STS-DB) organisations of the Space Transportation Development Department.

### Technical competencies

Multi-disciplinary knowledge of area of responsibility  
Knowledge of industrial costs and schedule aspects  
Knowledge of other technical domains with interfaces to own area of responsibility  
Space system development and PA standards  
Complex project risk management processes  
Knowledge of ESA and industrial development, verification and procurement processes

### Behavioural competencies

Communication  
Planning & Organisation  
Problem Solving  
Responsible Decision-Making  
Results Orientation  
Teamwork

### Education

Applicants for this post should have a Master's degree or equivalent qualification in the field of launcher engineering, with a minimum 10 years' background in the field of space transportation.

### 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 2 October 2017.

If you require support with your application due to a disability, please email [contact.human.resources@esa.int](mailto:contact.human.resources@esa.int).

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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.

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.