

Job Title: Space Rider Space Segment Manager

Req ID 10282 - Posted 23/07/2020



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

Space Rider Space Segment Manager

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

Location

ESRIN, Frascati, Italy

Description

Space Rider Space Segment Manager in the Space Rider Development, Vega and Space Rider Development Programmes, Space Transportation Development Department, Directorate of Space Transportation.

Duties

You will report directly to the Vega and Space Rider Development Programmes Manager and will be supported by specialists from the relevant engineering and product assurance disciplines within the Vega and Space Rider Integrated Programmes Team. Duties encompass the whole perimeter of the Space Rider Space Segment activities, including the AVUM Orbital Module (AOM) and the Re-entry Module (RM), and more specifically:

- managing the Space Segment end-to-end system definition, adaptation/development, qualification and operation, including Multi Purpose Cargo Bay (MPCB) and Payload interface specification;
- managing the AOM/RM end-to-end system engineering aspects (e.g. mission analysis, visibility analysis, thermal and structural analysis, trajectories, aerodynamics, aerothermodynamics, flying qualities);
- managing the AOM/RM end-to-end system synthesis aspects (e.g. performance, budgets, margins, internal and external interfaces, including launcher I/Fs, payloads I/Fs, ground segment I/Fs);
- managing the AOM/RM end-to-end system manufacturing, assembly, integration and verification, including:
 - RM specific environmental, functional, descent and landing testing, integrated system testing;
 - AOM specific environmental, functional, integrated system testing;
 - AOM/RM end-to-end system testing;
- managing the Space Segment and Ground Segment end-to-end system testing in coordination with the Space Rider Ground Segment Manager, including Payload aspects;
- managing the RM refurbishment, reusability, operability and maintainability aspects, including turn-around cycles and readiness for subsequent flights;
- supporting line management for the activities concerning:
 - the preparation of procurement proposals, RFQs, contract proposals, change requests;
 - the evaluation and negotiation of industrial proposals, including contract change notices;
 - the assessment of industrial deliverables (i.e. hardware, software, models, documentation, etc.) prior to formal review and acceptance processes;
 - the regular reporting to upper management

Technical competencies

Experience in the definition and implementation of complex space missions

Experience in the design, development, qualification, assembly, integration, testing of ground segment systems and components for launcher systems and/or orbital platforms and/or re-entry systems, and related technologies
Experience in the preparation, negotiation and execution of complex industrial contracts, including assessment of industrial deliverables (i.e. hardware, software, models, documentation, ...) prior to formal review and acceptance processes
Experience in the preparation and execution of major ESA reviews for the development and qualification of ground segments

Behavioural competencies

Communication
Problem Solving
Results Orientation
Teamwork
Integrity
Relationship Management

Education

You should have a Master's degree in engineering or a related discipline

Additional requirements

You should have:

- excellent technical knowledge of space transportation systems;
- demonstrated project development experience;
- demonstrated negotiating skills;
- knowledge of the Agency's procurement approval and implementation process;
- knowledge of the Agency's project implementation process.

In addition, you should have:

- excellent cognitive, analytical, planning and organisational skills
- the ability to anticipate problems, solve complex issues and relate situations to their context
- the ability to reach solution-oriented, pragmatic and timely decisions of high standard and integrity

Previous experience of management is an asset for the position, as is previous experience in the Space Rider frame of activities including its precursor elements.

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 3 September 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 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.

