

Space Segment Engineer

Job Req ID: 10441

Closing Date: 28 July 2021

Publication: Internal & External

Vacancy Type: Permanent

Date Posted: 29 June 2021

Vacancy in the Directorate of Telecommunications and Integrated Applications.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. For this purpose, we 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

ECSAT, Harwell, United Kingdom

Description

You will report to the Head of the Space Segment Section in the Technologies and Products Division, and be responsible for the management of space segment (platform and payload) technology and product development activities for satellite communication applications.

Duties

- Initiating, monitoring and controlling of ARTES Core Competitiveness (CC) and other ARTES Programme line activities related to Space Segment technology and product development for satellite communications, in collaboration with the Procurement Department, the Strategic Programme Line managers and other relevant Departments of ESA;
- Supporting other ARTES Programme Element activities and the creation/implementation of partnership projects;
- Reporting regularly on the progress, status, schedule and outcome of ARTES activities, including realistic forecasting of milestone-completion dates;
- Identifying and defining future satcom system and service trends to define Space Segment product and technology needs;
- Supporting the promotion of ARTES CC and of ARTES socio-economic impact analysis;
- Coordinating expert technical support provided by other ESA organisational units (e.g. Directorate of Operations, Directorate of Technology, Engineering and Quality) as required to ensure the effective initiation and management of activities.

Technical competencies

Experience in managing space segment technology and product development activities carried out by industry for commercial satellite communication applications
Knowledge of ESA and industrial development, verification and procurement processes
Knowledge of satcom space segment system architectures, products and market
Knowledge of radio frequency and optical communication technologies, preferably in the context of space telecommunication applications

Behavioural competencies

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

Education

A Master's degree in a scientific or engineering discipline is required.

Additional requirements

Experience in satellite communications space segment technology and product definition and development, including specific knowledge and development experience in at least one of the following payload domains: radio frequency signal processing, digital signal processing, optical communication technologies.

Experience in the satellite telecommunication industry would be a distinct advantage. You should also demonstrate strong negotiation skills and contract/subcontract management experience.

You must be eligible to obtain security clearance from national authorities.

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 we welcome people with disabilities. Whenever possible, we seek to accommodate individuals with disabilities by providing the necessary support at the workplace. The Human Resources Department can also provide assistance 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 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.

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