

# Job Title: Space Segment Engineer

Req ID 9981 - Posted 13/05/2020



## EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Technology, Engineering and Quality.

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 Segment Engineer

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

### Location

ESTEC, Noordwijk, The Netherlands

The position requires a resident assignment in Harwell, UK, initially for a period of four years.

### Description

Propulsion System Engineer in the Electrical Propulsion Engineering Section, Propulsion, Aerothermodynamics and Flight Vehicles Engineering Division, Mechanical Department, Directorate of Technology, Engineering and Quality.

You will be assigned as integrated support into the function of Space Segment Engineer in the Space Segment Section, Technologies and Products Division, Telecom Technologies, Product and Systems Department, Directorate of Telecommunications and Integrated Applications.

### Duties

Reporting to the Head of the Space Segment Section, your main duties include:

- initiating, monitoring and controlling, in collaboration with the Procurement Department, the Strategic Programme Line managers and other relevant Departments of ESA, of ARTES Core Competitiveness (CC) and other ARTES Programme line activities related to Space Segment technology and product development for satellite communications;
- supporting activities of other ARTES Programme Elements 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 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 effective initiation and management of activities.

As part of the Electrical Propulsion Engineering Section, your duties include:

- monitoring applicable scientific and technological trends, maintaining state-of-the-art expertise;
- contributing to the dissemination of results of activities performed and knowledge transfer across the Agency and externally with management approval.

At the start of this assignment, you will be provided with training and familiarisation with the mandate, processes and procedures of the Directorate of Technology, Engineering and Quality.

### 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 space propulsion technologies, preferably in the context of space telecommunication applications

## Behavioural competencies

Communication  
Results Orientation  
Teamwork  
Problem Solving  
Innovation & Creativity  
Continuous Learning

## Education

A Master's degree in engineering is required.

## Additional requirements

Experience in satellite communications space segment technology and product definition and development, as well as propulsion system or subsystem design and development.  
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.

### The closing date for applications is 11 June 2020.

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.

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.