

# Job Title: Spacecraft Operations Engineer

Req ID 6981 - Posted 27/09/2018



## EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Operations.

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

#### Spacecraft Operations Engineer

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

### Location

ESEC, Redu, Belgium

### Description

Reporting directly to the Head of the Redu Spacecraft Operations Section within the Studies and Special Projects Division of D/OPS. The postholder will be primarily involved in on-going operations of the PROBA Spacecraft and in the study and preparation phases for future missions of this type. In addition the postholder is to support the Head of the Redu Spacecraft Operations Section regarding the evolution of ESEC and the execution of the operations-related activities at ESEC.

The postholder performs the allocated tasks in close cooperation with the S/C Operations Manager of the PROBA missions, acting as deputy if required.

### Duties

Responsibilities and main duties:

For operational missions:

- execution of satellite operations including spacecraft and payload health monitoring;
- execution of detailed operation plan and procedures based on the generic scenarios provided by industry;
- ground segment automation maintenance and development engineering;
- support of trouble-shooting and critical operations execution;
- when required, preparation and validation of new mission Space and Ground Segment procedures;
- management and coordination of operations and experiments;
- use of Flight Dynamics support tools;
- production of ad-hoc satellite operations and ground segment performance reports.

For the above tasks, the PROBA Spacecraft Operations Engineer is supported by the PROBA operations team.

For missions in the early phases up to commissioning, together with the Mission Operation Engineer and in close cooperation with the Future Studies Section in the Division:

- active participation in the Project and Agency reviews to tackle the operations and ground segment aspects;
- support to ground segment development, deployment and validation;
- support, with the Redu operations team, to the operations preparation, System Validation Tests, launch and commissioning phases;
- regular attendance of ad hoc meetings with Project, Industry and contractors.

## Technical competencies

Developing, implementing and maintaining expertise and standards in the technical domains covered by the Division/Section  
Experience in mission, spacecraft and/or payload operations  
Capability to evaluate performance at mission level

## Behavioural competencies

Ambassadorship  
Continuous Learning  
Integrity  
Teamwork  
Communication  
Customer Focus

## Education

Applicants for this post should have a Masters' degree or equivalent qualification in an engineering discipline.

## Additional requirements

Applicants should have experience in space missions-related operations and control and/or ground systems engineering.

Knowledge of the ESA operations environment and its working methodologies is required, together with a demonstrated ability to analyse and sum up technical and programmatic information in a way leading to minimum cost/acceptable risk solutions.

Applicants should be teamwork-oriented, system- and software-minded and should as such possess good communication and organisational skills, and be able to establish and maintain efficient working interfaces with the entities concerned. They should also have the initiative to be able to organise and complete delegated tasks independently.

The working language is English but a good knowledge of French is considered an important asset to be able to communicate with the staff at ESEC.

## 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 25 October 2018.**

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.