

# Job Title: Spacecraft Operations Engineer

Req ID 10201 - Posted 11/08/2020



## 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

ESOC, Darmstadt, Germany

### Description

Spacecraft Operations Engineer in the Earth Observation Missions Division, Mission Operations Department, Directorate of Operations.

The Earth Observation Missions Division is responsible for the design, implementation and operations of the flight operations ground segment and the satellite mission operations for all ESA Earth observation satellites and for the entrusted Copernicus/Sentinels missions, typically from start of phase B through in-flight commissioning to routine mission operations until the end of mission.

### Duties

You will be initially assigned to the Copernicus/Sentinels Radar Imaging Missions Operations Unit within the Earth Observation Missions Division and will report to the Head of Unit.

The tasks will include the following:

- assisting the Head of Unit and appointed SOM(s) within the Unit in the preparation and execution of operations assigned to the Unit, including Launch and Early Orbit Phase (LEOP), Commissioning, Routine and Disposal phases, as applicable;
- assisting the Head of Unit and appointed SOM(s) in the development, maintenance and validation of the Flight Operations Segment (FOS) including System Validation Tests (SVT) and Ground Segment Operational Validation (GSOV);
- analysing and reporting on spacecraft and ground segment performance and implementing trade-off analysis for the maintenance and evolution of the Flight Operations Segment (FOS);
- interfacing with the ESTEC project group, the PDGS and Mission Management team(s), external partners including Agencies (DLR, CNES, etc.) and industry, for technical matters and review of spacecraft design, operations documentation and performance reports;
- providing support in the reviews, preparation and future developments of the Copernicus/Sentinels Next Generation and Expansion missions assigned to the Unit (e.g. CIMR, ROSE-L, S1-NG); interfacing with other ESOC divisions for spacecraft operations matters;
- providing support in the reviews and preparation of other Earth Observation missions delegated to the Earth Observation Missions Division (i.e. Earth Explorers and/or Copernicus/Sentinels);
- acting as Deputy SOM as required.

### Technical competencies

Knowledge of mission, spacecraft and/or payload operations

Understanding of development and maintenance of ground infrastructure and/or software systems

Knowledge of large operations and associated software systems, preferably space-based

## Behavioural competencies

Planning & Organisation  
Problem Solving  
Teamwork  
Responsible Decision-Making  
Systems & Broader Business Thinking

## Education

A Master's degree in engineering or physics is required.

## Additional requirements

Knowledge of the Copernicus Programme and the Sentinels Missions is highly desirable.

## 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 22 September 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, Latvia 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.