

Job Title: Spacecraft Operations Engineer

Req ID 8633 - Posted 27/12/2018



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

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

The post-holder will be initially assigned to the Cryosat-2/Swarm Spacecraft Operation Unit belonging to the Earth Observation Missions Division, with potential re-assignment to other missions within the Division. The post-holder will report to the responsible Spacecraft Operations Manager (SOM).

The tasks will include the following:

- assisting the SOM in the preparation and execution of operations including Launch and Early Orbit Phase (LEOP), Commissioning, Routine and Disposal phases, as applicable;
- assisting the SOM 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;
- interfacing with the ESTEC project group, the ESRIN PDGS and Mission Management teams, external partners including industry and Agencies (CNES, EUMETSAT, CDTI, etc.) for technical matters and review of spacecraft design, operations documentation and performance reports;
- interfacing with other ESOC divisions for spacecraft operations matters;
- providing support to the SOM(s) in the reviews and preparations 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;
- providing support to corporate ESA and ESOC activities as required.

Technical competencies

General background and specific experience in the technical domains covered by the position

Good professional experience in spacecraft and/or operational applications

Experience with the design, development, maintenance and application of related operational and ground segment tools and methods (such as Mission Control Systems, Operational simulators, etc.)

Experience with both Platform and Payload Operations as well as with development and maintenance of ground segments

Behavioural Competencies

Communication
Teamwork
Customer Focus
Innovation & Creativity
Problem Solving
Planning & Organisation

Education

Applicants should have a Masters' degree or equivalent qualification in engineering or physics.

Additional requirements

Previous practical experience with both spacecraft platform and subsystem operations is required. Experience in the preparation, implementation and execution of LEOP/other critical operations of an Earth Observation mission is highly desirable

Flexibility and adaptability are required, to deal with a multi-subject/multi-project operational environment.

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 24 January 2019.

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.