

Job Title: Stations Engineer

Req ID 1481 - Posted 28/07/2017



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 Stations Engineer

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

Location
ESOC, Darmstadt, Germany

Description

Stations Engineer in the ESTRACK Stations & Infrastructure Section, Ground Facilities Operations Division, Mission Operations Department, Directorate of Operations.

Duties

Reporting to the Head of Section, the postholder will also assist the Division's other sections with additional activities relevant to ground stations operations as required and will be involved in a variety of tasks related to the technical and operational management of ground stations.

Main duties include:

- analysing requirements for missions supported by ESA stations and coordinating station preparation, including configuration control; this encompasses computing link budgets, defining and executing related test and validation programmes such as RF compatibility and station performance tests, and tracking campaigns;
- leading and supporting activities, processes and projects related to multi-mission services and installations in the ESTRACK domain; this includes requirements definition, design reviews and validation of new infrastructure, participation in anomaly review/configuration control boards as well as acting as user representative in the ground systems development process.
- performing technical and operational management tasks, including the technical officer role in the area of ground stations; this includes supporting technical officers of external ground operations services with their duties, compiling technical and commercial requirements for the subject services, establishing service level agreements (SLAs) and associated key performance indicators (KPIs), monitoring service performance, and ensuring consistency across contracts;
- participating in the Mission Control Team for the launch and early orbit phase (LEOP) or other mission-critical phases as Operations Manager or as ESA representative at ESA or external agency sites;
- the incumbent may also be assigned to one or more missions in the role of Ground Operations Manager (GOM) typically responsible for duties such as, but not limited to:
 - being the single point of contact with the mission for all services provided by ESTRACK, Operations Control Centre (OCC) and ICT infrastructure over the mission lifetime, providing regular routine and event-driven reporting to the customer mission and line management;
 - acting within the Division on behalf of the mission during the build-up of the ground segment for all matters related to ESTRACK, OCC and ICT services; this includes generating and maintaining cost-at-completion

data, mission-specific system engineering and steering of the required technical work and preparatory activities across the ground segment, validation of ground segment elements and final delivery to the mission.

Technical competencies

Telecommunications, electronic and mechanical engineering
Space communication
Architecture of ground stations dedicated to space mission support
Radio frequency, modulation and coding techniques

Behavioural competencies

Communication
Planning & organisation
Results orientation
Teamwork
Self motivation

Additional requirements

Practical experience in designing, engineering, validating and/or operating ground stations. Being able to work independently and to present complex technical issues clearly and convincingly is essential for effectively performing this function. Candidates should be proactive, able to multitask, have strong self-motivation and be results-oriented. They will be expected to deal with different interfaces and work as part of an interdisciplinary team.

Education

Master's degree in engineering.

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 8 September 2017.

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.

Priority will first be given to internal candidates and secondly to external candidates from under-represented Member States.

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.