

# Job Title: Mission Analyst

Req ID 2003 - Posted 17/10/2017



## 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

#### Mission Analyst

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

### Location

ESOC, Darmstadt, Germany

### Description

Mission Analyst in the Mission Analysis Section, Flight Dynamics Division, Ground Systems Engineering Department, Directorate of Operations.

Reporting to the Head of Section, the postholder will participate in mission analysis activities for future mission studies, spacecraft and ground segment design and operations preparation. This encompasses terrestrial, interplanetary and libration-point missions. The emphasis is on orbit analysis and related fields, such as trading-off orbit selection, optimising low/high-thrust rocket propulsion trajectories (including ascent), computing atmospheric entry trajectories, launch windows, fuel budget analysis, predicting orbit-derived data, orbit determination and navigation analysis, analysing satellite constellations and formation flight.

### Duties

These will include:

- performing and coordinating mission analysis activities in support of projects and mission studies;
- developing and maintaining generic mission analysis methods and software;
- participating in developing generic flight dynamics software;
- developing project-specific mission analysis tools;
- technical managing of mission analysis work packages carried out by contract firms;
- specifying and managing study and development contracts;
- supporting projects by participating in tender evaluations and reviews of industrial contracts.

### Technical competencies

Trajectory design and analysis  
Orbit manoeuvre optimization  
Navigation accuracy analysis  
Mathematical software development  
Flight Dynamics Operations Preparation  
Flight Dynamics Operations Execution

### Behavioural competencies

Customer Focus  
Problem Solving  
Results Orientation  
Teamwork  
Communication

## **Additional requirements**

### **Education**

Applicants should have a Master's degree or equivalent qualification in engineering, physics or mathematics.

### **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 14 November 2017.**

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.

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.