

EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Human Spaceflight and Operations

The European Space Agency is an equal opportunity employer and encourages applications from women

POST

Flight Dynamics Engineer in the Flight Dynamics Systems Section, Flight Dynamics Division, Ground Systems Engineering Department, [Directorate of Human Spaceflight and Operations](#).

This post is classified in the A2–A4 grade band on the Coordinated Organisations' salary scale.

LOCATION

ESOC, Darmstadt (Germany).

DUTIES

The postholder will report to the Head of the Flight Dynamics Systems Section. The Section's main responsibilities are:

- test and validation of Flight Dynamics data products and processes during mission operations preparation, operations execution and performance evaluation for all missions supported by the Division;
- ongoing maintenance and further development of the Division's Orbit and Attitude Operations System (ORATOS) support layer software and provision of related user support;
- configuration and administration of the Division's hardware and operating systems, including user support and system evolution having regard to ESOC-wide infrastructure activities.

The incumbent will provide Flight Dynamics support to satellite projects, including study, development, tests, operations, evaluation and maintenance activities, addressing both infrastructure and project-specific issues.

The work will notably include the following specific tasks:

- providing Flight Dynamics test and validation operations support in both mission-critical and routine phases;
- organising and participating in Flight Dynamics internal test campaigns;
- providing test and validation support for operations preparation activities;
- engineering of test and validation system architecture and processes in response to an analysis of support requirements;
- designing, implementing and maintaining generic test and validation software in cooperation with other user groups within the Section;
- designing, implementing and maintaining software elements specific to a mission or discipline;

- acting as technical officer responsible for on-site contract staff providing operations engineering support.

The test and validation tasks of the Section cover all operational Flight Dynamics sub-disciplines. It is intended to further consolidate multidisciplinary tasks and associated software tools both from the existing system and across the Division. The postholder will therefore contribute to projects in various sub-disciplines.

It is intended that the incumbent will primarily be concerned with the aforementioned tasks. Further duties may be required, as necessary.

QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in mathematics, physics or another relevant engineering discipline.

Experience of Flight Dynamics operations, systems engineering and software systems development is a distinct advantage. Candidates should be capable of approaching their technical tasks with rigour and discipline, developing and following a systematic, thorough and results-oriented approach. Problem-solving skills are essential.

Team spirit is a key asset for the execution of the duties and responsibilities. Flexibility and adaptability are required to cope with the multi-subject/multi-project environment.

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.

CLOSING DATE

The closing date for applications is **12 January 2015**.

Applications from external candidates should preferably be made [online](#) from the ESA website (www.esa.int/careers). Those unable to apply online should submit their CV to Human Resources, ESOC, Robert-Bosch-Str. 5, D-64293 Darmstadt, Germany.

ESA staff members wishing to apply should fill in the [Internal Application Form](#) and email it to [Apply2ESOC](#).

The Agency may require applicants to undergo selection tests.

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.

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.