Job Title: Data Systems Engineer

Req ID **2944** - Posted **23/10/2017**

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
Data Systems Engineer

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

Location
ESOC, Darmstadt, Germany

Description
Data Systems Engineer in the Applications and Special Projects Data Systems Section, Mission Data Systems Division, Ground Systems Engineering Department.
The postholder will be responsible for the definition, implementation, acceptance and maintenance of mission data systems (e.g., robotic mission data systems, mission control systems, simulators, SSA data systems).

Duties
- providing early high-level definition of mission data systems and related cost and schedule estimates;
- specifying the software requirements of these systems in collaboration with the operational users;
- defining and specifying their internal and external interfaces in agreement with the relevant parties;
- preparing and supervising the necessary industrial contracts for these systems' procurement, design, implementation and maintenance;
- accepting the deliverables received from industry, ensuring their correctness, completeness and compliance with the applicable requirements;
- supporting the mission operations team as required in the various operational phases, including system validation tests, simulation campaign, and as Software Coordinator during critical operational phases such as launches;
- coordinating with other internal (to ESOC) or external units;
- contributing to the establishment of standards for space data systems and software engineering;
- participating in R&D activities for mission data systems, focusing on CubeSat and exploration mission data systems.

A significant portion of the initial assignments will be devoted to managing SSA data systems in close coordination with the SSA Data Centre Manager.

Technical competencies
Computer systems engineering
Software engineering
Understanding user needs in complex software systems
Understanding of related technologies, R&D trends and the industrial landscape

Behavioural competencies
Results Orientation
Problem Solving
Planning & Organisation

Relationship Management
Customer Focus
Innovation & Creativity

Education
Applicants should have a university degree or equivalent in informatics covering software development

Additional requirements
Candidates should have experience in modern technologies, including big data, virtualisation, complex and hybrid data systems architecture and service-oriented architectures.

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 20 November 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.