

**EUROPEAN SPACE AGENCY**

**Vacancy in the Directorate of Technical and Quality Management**

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

**POST**

Software Engineer, Flight Software Systems Section, Software Systems Division, Systems, Software & In-Orbit Demonstration Department, [Directorate of Technical and Quality Management](#).

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

**LOCATION**

ESTEC, Noordwijk (Netherlands).

**DUTIES**

The postholder will report to the Head of the Flight Software Systems Section. The Section's core activity is to support ESA programmes in developing flight software for satellites and spacecraft. This includes specification, analysis, design, validation and maintenance of the software embedded in the spacecraft platform and payloads. The Section is also the focal point for developing software validation facilities and independent software verification and validation.

Duties will include:

- providing specialist technical support to ESA projects for real-time embedded software systems, including flight software and corresponding development and validation facilities;
- participating in evaluating industrial proposals and in project reviews;
- technical monitoring of software development contracts, including verification of industrial outputs, reviews and acceptance;
- providing expert software support to the Avionics System Group for defining onboard avionics concepts and architectures, including highly integrated and reconfigurable systems;
- participating in defining and implementing the research programmes within the Division's competence, in particular concerning software architectures, validation and modern engineering methods/tools to improve the development and qualification processes for embedded software;
- contributing to standardisation activities in the software systems;
- contributing to the dissemination of the results of activities performed and knowledge transfer across the Agency.

The postholder may also be called on to support other activities within his/her sphere of competence.

## **QUALIFICATIONS**

Applicants for this post should have a Master's degree or equivalent qualification in computer science and/or electrical engineering or similar, with a background and experience in real-time embedded software systems. Extensive knowledge of modern software engineering and practical experience of the aforementioned systems is required. Knowledge of spacecraft systems engineering would be an advantage.

Applicants should have good interpersonal and communication skills. They should be able to work effectively, autonomously and cooperatively in a diverse and international team environment and to define and implement solutions in line with team and individual objectives and project deadlines.

In addition, candidates should have good analytical, organisational and reporting skills, a proactive attitude to solving problems and an interest in innovative technologies.

The working languages of the Agency are English and French. A good knowledge of one of these languages is required. Knowledge of another Member State language would be an asset.

## **CLOSING DATE**

The closing date for applications is **8 July 2015**.

Applications from external candidates should preferably be made [online](#) from the ESA website ([www.esa.int/careers](http://www.esa.int/careers)). Those unable to apply online should submit their CVs to Human Resources, ESTEC, Keplerlaan 1, 2201 AZ Noordwijk ZH, The Netherlands.

ESA staff members wishing to apply should fill in the [Internal Application Form](#) and email it to [Apply2ESTEC](#).

The Agency may require applicants to undergo selection tests.

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**Under ESA Regulations, the age limit for recruitment is 55. Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, 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.**