

## 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**

Dependability (RAM) and Safety Engineer in the Dependability and Safety Assurance Section, Quality Dependability and PA Support Division, Product Assurance and Safety 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 Dependability and Safety Assurance Section. The Section is responsible for the development, implementation and maintenance of Dependability (Reliability, Availability and Maintainability) and Safety Assurance expertise and standards, and for providing support to European Space Agency projects in its specific domains of competence.

Specific responsibilities and tasks include:

- implementing general programmatic and technical dependability and safety assurance requirements in relation to ESA standards and specifications;
- establishing project-specific programmatic and technical dependability and safety assurance requirements within the framework of the ESA Product Assurance baseline;
- supporting projects in the evaluation of contractors' plans, technical specifications and efforts proposed for the execution of the dependability and safety assurance programmes;
- supporting projects in the monitoring of the performance of contractors' dependability and safety assurance programmes to assure their compliance with the applicable requirements, and directing and controlling risk reduction processes and any necessary preventive and corrective actions;
- evaluating dependability and safety analyses, technical notes, technical risk assessments, risk reduction processes and the associated preventive or corrective actions;
- defining and controlling the implementation of the applicable dependability and safety-related acceptance requirements including risk acceptance criteria, and participating in project reviews to assess compliance with the applicable requirements and to formulate accept/reject recommendations;
- evaluating proposed concepts, designs and operations for compliance with defined dependability and safety requirements;

- liaising with software product assurance and software engineering on related matters;
- initiating research and study activities in the fields of dependability and safety requirements, techniques, tools and integrated engineering process methodologies and risk management methods;
- contributing to the dissemination of the results of activities performed and to knowledge transfer across the Agency.

## QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in engineering or science, with substantial experience in dependability and safety engineering and assurance activities within aerospace or comparable projects. Experience in the dependability assessment of software-intensive systems or products, and/or in the assessment of software-intensive safety-critical systems or products would be an advantage.

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

Applicants should also have good analytical, organisational and reporting skills, a proactive attitude to problem-solving 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 **1 September 2015**.

Applications from external candidates for this post 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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**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.**