

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 of the 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), with initial resident assignment in Toulouse (France).

DUTIES

The Dependability (RAM) and Safety Engineer will initially be assigned as integrated support to the EGNOS Project, reporting for project-specific responsibilities to the Head of the EGNOS PA&S Unit. For maintaining professional standards, contributing to corporate tasks (reviews, standardisation, alerts, lessons learned, etc.) and implementing ESA's general PA policy, reporting will be to the Head of Department. Training and familiarisation with the Department's mandate, processes and procedures will be provided at the start of the integrated support assignment.

Specific responsibilities and tasks will include:

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

- supporting research and study activities in the fields of dependability & safety requirements, techniques, tools and integrated engineering process methodologies and risk management methods;
- participating in periodic meetings with the parent section, contributing to the transfer of technical knowledge and lessons learned 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 under aerospace or comparable projects. Experience in the dependability assessment of software-intensive safety-critical systems or products and in electronics hardware safety assessment is required.

Knowledge of ECSS standards, in particular Q-30 and Q-40 series, and of civil aviation standards for Software Integrity Assurance (DO-178, DO-278) and for design assurance on electronics hardware (DO-254) is required, as is experience in the field of GNSS. Knowledge of ARP4754, ARP4761, EASA Certification Specifications/Memoranda and EC Regulations for European Air Traffic Management, with experience of certification processes, would be an advantage.

Candidates should have good interpersonal and communication skills, being 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.

They should 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. The location of the initial assignment being the ESA Office in Toulouse, a good knowledge of both these languages is required. Knowledge of another Member State language would be an asset.

CLOSING DATE

The closing date for applications is **10 November 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 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.

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.