

Job Title: RAMS (Reliability, Availability, Maintainability and Safety) Engineer

Req ID 9790 - Posted 13/05/2020



EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Technology, Engineering and Quality.

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

RAMS (Reliability, Availability, Maintainability and Safety) Engineer, TEC-QQD (00002255)
This position is classified A2-A4 on the Coordinated Organisations' salary scale.

This position forms part of ESA's Advance Recruitment Scheme which is established to provide appropriate staffing resources when requirements materialise.

Appointments are therefore made for an initial duration of two years upon which you may be appointed to a permanent post at the Agency.

Location

ESTEC, Noordwijk, The Netherlands

Description

RAMS Engineer in the RAMS Section, Quality, Dependability and PA Support Division, Product Assurance and Safety Department, Directorate of Technology, Engineering and Quality.

The Section is responsible for development, implementation and maintenance of dependability and reliability expertise and standards. It provides dependability and reliability management support to ESA corporate areas including ESA projects except human space applications, space debris mitigation, nuclear power and re-entry safety. It significantly interfaces with the Independent Safety Office of the Department. The Section provides functional support to ESA projects and is responsible for development, implementation and maintenance of RAMS expertise and standards. It carries out technological research (R&D) in the fields of RAMS requirements, techniques, methodologies and tools. It collaborates on standardisation and training activities.

Duties

Reporting to the Head of Section and within the technical fields described above, your main tasks and responsibilities will include:

- identifying mission risks, assessing ESA project risks and activities;
- developing and maintaining ESA dependability policies, requirements and standards;
- supporting ESA projects in defining applicable dependability requirements, monitoring and reporting their implementation;
- supporting reviews and audits for ESA projects and activities;
- collecting, evaluating and validating data for the prevention or avoidance of recurrent problems;
- supporting liaison with the department Independent Safety Office to inform it of the dependability measures recommended to ESA projects, collecting its ongoing feedback for safety certification activities;
- supporting liaison and maintaining synergy with systems and space operation teams (in particular the Directorate of Operations, D-OPS), for continuously improving and closing the loop between prediction and actual in-orbit operations, gathering lessons learned;
- maintaining Agency and industry technical competence through training, symposia, workshops;
- developing RAMS techniques, methods and procedures following an integrated dependability approach;
- defining, initiating, managing R&D activities covering long- and short-term ESA needs;
- supporting the relevant Directorate competence domain activities;
- monitoring applicable scientific and technological trends, maintaining state-of-the-art expertise;

- contributing to dissemination of the results of activities performed and the transfer of knowledge across the Agency.

Duties may also include supporting other activities within your field of competence and the transfer of knowledge across the Agency.

Technical competencies

General background and specific experience in the technical domains covered by the position
Understanding of related technologies, R&D trends and the industrial landscape
Project support experience in a relevant domain
Experience in the management and monitoring of industrial activities, including participation in reviews
Experience with Space Quality Standards and their preparation and implementation
Experience with the application of RAMS tools and methods

Behavioural competencies

Communication
Teamwork
Customer Focus
Problem Solving
Results Orientation
Planning & Organisation

Education

Master's degree or equivalent qualification in RAMS engineering or a similar technical field is required.

Additional requirements

You must be eligible for security clearance by your national security administration.

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 10 June 2020.

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, Canada and Slovenia.

According to the ESA Convention the recruitment of staff must take into account an adequate distribution of posts among nationals of the ESA Member States. When short-listing for an interview, priority will first be given to internal candidates and secondly to external candidates from under-represented Member States.
(<http://esamultimedia.esa.int/docs/careers/NationalityTargets.pdf>)

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.

Recruitment will normally be at the first grade in the band (A2); however, if the candidate selected has little or no experience, the position may be filled at A1 level.