

Job Title: Standardisation Engineer

Req ID 9381 - Posted 24/04/2020

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 Standardisation Engineer

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

Location

ESTEC, Noordwijk, The Netherlands

Description

Standardisation Engineer in the Requirements & Standards Section, Reliability & Quality Division, Product Assurance & Safety Department, Directorate of Technology, Engineering & Quality. The Section provides engineering and administrative support to the Agency's European Cooperation for Space Standardisation (ECSS standardisation activities and its European Space Components Coordination (ESCC) components standardisation and qualification programme.

The Section is responsible for the following:

- the secretariat function for the ECSS and the ESCC
- proposing, monitoring and supporting implementation of ESA standardisation policy both internally and within the European space community
- managing the ESCC specifications system for space components
- qualifying and certifying components and manufacturers, publishing the ESCC Qualified Parts List (QPL), Qualified Manufacturers List (QML) and Process Capability Approval (PCA)
- performing associated quality assurance activities including audits of manufacturers and non-conformance follow-up
- managing the European Preferred Parts List (EPPL) and its publication
- managing ESCIES.org, spacecomponents.org and supported web tools

Duties

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

- supporting the core executive functions covering the custody and management of European Space Components Coordination (ESCC) and European Cooperation for Space Standardisation System (ECSS);
- expert engineering support to the ESCC standardisation and qualification programme;
- support studies in the area of components standardisation;
- supporting components evaluation and qualification programmes, non-conformance and failure investigations;
- supporting project-specific activities in the selection, characterisation, verification, approval and application of parts listed in the ESCC QPL/QML/PCA/EPPL;
- supporting the ESCC working groups and the Space Components Steering Board for all activities related to components standardisation;
- collecting, proposing and prioritising all ESA standardisation needs, external and internal, and their conversion into executive work plans, with the support of the ESA standardisation bodies for each ECSS and ESCC domain;
- supporting ECSS and ESCC processes and the highest-level bodies within each domain;
- expert engineering support to the ESCC standardisation and qualification programme;
- support studies in the area of components standardisation;
- assessing existing and novel standards associated with component technologies for future space applications;
- supporting and contributing to the establishment and implementation of requirements, handbooks and standards regarding components selection for space applications (ECSS-Q- ST-60 series);

Duties may include supporting other activities within your field of competence.

Due to the interdisciplinary nature of ESA standardisation domains, you will be expected to establish and maintain good working relationships and networks with experts and stakeholders across and within European industry and institutions and beyond.

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
Experience in monitoring industrial activities, including participation in reviews
Experience with space engineering and quality standards, their preparation and implementation
Hands-on laboratory experience
Component manufacturer audits

Behavioural competencies

Communication
Planning & Organisation
Problem Solving
Teamwork
Customer Focus

Additional requirements

Familiarity with ECSS, ESCC and US MIL standards in the domain of space projects, component procurement, manufacturer assessments and acceptance procedures following up/resolving anomalies and non-conformances. ISO audit experience is considered an asset.

Education

A Master's degree or equivalent qualification in electronics engineering, physics or scientific disciplines is required.

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 15 May 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 and 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.