Job Title: Components Standardisation Engineer

Req ID **8694** - Posted **02/04/2019**

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
Components Standardisation Engineer

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

Location
ESTEC, Noordwijk, The Netherlands

Description
Components Engineer in the ESCC Components Standardisation and Qualification Section, Components and Materials' Physics and Chemistry Evaluation and Standardisation Division, Product Assurance and Safety Department, Directorate of Technology, Engineering and Quality. The ESCC (European Space Components Coordination) Components Standardisation and Qualification Section at ESA provides engineering and administrative support to ESA's ESCC components standardisation and qualification programme.
The Section is responsible for the following:
- managing the ESCC Specifications System for space components;
- qualifying and certifying components and component manufacturers, publishing the ESCC Qualified Parts List (QPL), Qualified Manufacturers List (QML) and Process Capability Approval (PCA);
- performing the 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 tools.

Duties
Reporting to the Head of Section and within the technical fields described above, the postholder will perform main tasks and responsibilities which include:
- providing expert engineering support to the ESCC standardisation and qualification programme;
- supporting studies in the area of components standardisation;
- providing support to 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;
- identifying critical development problems and assisting in their resolution;
- contributing to the definition of technology development requirements and work plans for the Agency's Technology Programmes;
- contributing to the definition and implementation of strategic planning of technology development for electronic components for space applications (and associated roadmaps);
- 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);
- monitoring applicable scientific and technological trends, maintaining state-of-the-art expertise;

- maintaining and developing ESA's competence in the field of electronics components and associated processes, promoting achievements and concepts through participation in and publications for conferences, workshops and training;
- contributing to the dissemination of the results of activities performed and the transfer of knowledge across the Agency.

Duties may also include supporting other activities within the postholder's field of competence.

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 and their preparation and implementation
Hands-on laboratory experience
Component Manufacturer's Audits

Behavioural competencies

Communication
Planning & Organisation
Problem Solving
Teamwork
Customer Focus

Education

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

Additional requirements

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

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 30 April 2019.

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.