

## 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** Mechanical Engineer in the Structures & Mechanisms Division, Mechanical Engineering Department, [Directorate of Technical and Quality Management](#).
- This post is classified in the A2/A4 grade band of the Coordinated Organisations' salary scale.
- LOCATION** ESTEC, Noordwijk (Netherlands), with resident assignment to ECSAT, Harwell (United Kingdom).
- DUTIES** The postholder will initially be assigned as integrated support to the function of Flight Products Engineer in the Flight Heritage Products and Hosted Payloads Implementation Section, Technology and Products Division, Telecommunications Technologies, Products and Systems Department of the [Directorate of Telecommunications and Integrated Applications](#) and will report to the Head of the Flight Heritage Products and Hosted Payloads Implementation Section.
- Specific duties will include:
- providing expert mechanical engineering support and assessment of technical performance to ARTES 3-4 and 5.2 Programmes for spacecraft and payload products and hosted payloads, including:
    - supporting project design reviews and NRBs;
    - identifying critical development problems and assisting in their resolution;
    - executing analyses as required to support the mechanical design of products under development;
    - participating in mechanical testing activities in support of these projects and correlating analysis and test results.
  - managing and supporting activities devoted to the development of satellite platform and payload technology and products under the responsibility of the Flight Heritage Products and Hosted Payloads Implementation Section including:
    - initiating, in collaboration with the ESA Procurement Department and other relevant ESA departments, activities related to payload and platform technology and product developments for telecommunication satellites;
    - negotiating, monitoring and controlling contracts and activities related to payload technology and product development;
    - preparing inputs for status reports.
  - identifying and defining the payload and platform technology needs of future satellite telecommunication services;
  - supporting the preparation of the ARTES 5.1 annual work plan;
  - providing the technical support required in the field of responsibility, coordinating the specialised engineering support provided by the Directorate of Technical and Quality Management in the appropriate areas of competence and liaising with specialists from other ESA departments.

## QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in mechanical engineering or related discipline. They should have several years of experience with the design and qualification of satellite equipment, including for telecommunication satellites, and substantial experience in one or more of the following domains:

- telecommunication payload and platform engineering, including design, system-level analysis, manufacturing and/or testing;
- payload and platform equipment qualification for satellite telecommunication applications;
- management of development contracts for satellite equipment;
- satellite AIT and in-orbit testing;
- different types of payload and platform equipment and their functions at satellite level.

Candidates should have good interpersonal and communication skills. They should have the ability to work autonomously, effectively and cooperatively in a diverse and international team environment and to define and implement solutions in line with team and individual objectives and project deadlines.

In addition, applicants should have good analytical, organisational and reporting skills, a proactive attitude to solving problems 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 **22 July 2014**.

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 on-line should submit their CV to the Human Resources, ESTEC, Keplerlaan 1, 2201 AZ Noordwijk ZH, The Netherlands.

ESA staff members wishing to apply for this post 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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**Under ESA Regulations, the age limit for recruitment is 55. 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.**