

## 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** Communication Systems Engineer in the RF Systems, Payloads and Technology Division, Electrical 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 Communication Systems Engineer in the Satcom Projects and Systems Section, Future Projects Division, Telecommunication Technologies, Products and Systems Department of the [Directorate of Telecommunications and Integrated Applications](#) and will report to the Head of the Satcom Projects and Systems Section. The Section is responsible for the analysis, definition, initiation and management of industrial activities associated with new satellite telecommunication projects in the Directorate.
- The responsibilities of the post will include:
- monitoring and assessing the need and commercial potential for future telecommunication missions and systems;
  - initiating and managing prospective studies on mission concepts and system architectures, with the aim of detecting new market opportunities for satcom systems and services;
  - defining all elements related to the end-to-end mission/system architecture of new projects;
  - managing preparatory activities of new telecommunication satellite programmes;
  - establishing the most appropriate programmatic framework for new projects, including preparation of key documentation for the JCB<sup>1</sup> and interactions with key stakeholders (satellite operators/service providers, satellite manufacturing industry and ESA Member State delegations);
  - initiating industrial activities with regard to new projects in collaboration with the Procurement Department and other relevant ESA departments;
  - managing industrial activities associated with new projects until transfer to Phase-B2/C/D;
  - contributing to the preparation of ARTES 1 and 5.1 work plans for system-related activities;
  - contributing to the definition of technology roadmaps and technology knowledge bases for the different satcom market segments;

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<sup>1</sup> Joint Board on Communication Satellite Programmes

- preparing input to status reports;
- acquiring and further improving end-to-end system engineering expertise for the development of new system concepts in new ESA projects or programmes. Providing the Directorate with such expertise. Coordinating system assessment tools and TEC support;
- coordinating the specialised engineering support provided by the Directorate of Technical and Quality Management in the appropriate areas of competence.

## QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in telecommunications engineering.

In addition, they should have:

- at least five years of experience in the telecommunications sector, specifically with the design of end-to-end satellite communication systems and satellite platform and/or payload engineering;
- a sound knowledge of the overall space telecommunications market;
- knowledge of modern computer systems, programming languages and link budget tools.

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 is an asset.

## CLOSING DATE

The closing date for applications is **14 August 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.**