

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

Radio Navigation Engineer in the Radio Navigation Systems and Techniques Section, Radio Frequency 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).

DUTIES

The postholder will be deployed in the Radio Navigation Systems and Techniques Section and will be responsible for radio navigation systems, techniques and equipment for space and ground applications.

Principal tasks and responsibilities will include:

- carrying out design, simulation and development testing activities, and following up industrial procurement of radio navigation and RF metrology equipment for space applications;
- participating in harmonisation and standardisation activities in the domain of space receiver technology;
- supporting system validation of navigation projects (e.g. EGNOS and Galileo), through participation in studies, simulations and laboratory testing for the assessment of end-to-end functionalities and performance. This will include measurement campaigns, data processing and field testing;
- supporting navigation projects (e.g. EGNOS and Galileo) in the design, simulation, development and testing of radio navigation equipment and techniques for ground/space applications;
- participating in studies supporting the definition and/or analysis of current and future radio navigation systems (e.g. EGNOS/Galileo evolution and GPS modernisation);
- monitoring contracts with industry for studies on radio navigation concepts and for the development of radio navigation tools and equipment;
- generating technical requirements and statements of work for the tasks to be performed by industry from early conceptual studies through to full development and qualification of space/ground equipment;
- contributing to the development/usage of laboratory facilities in support of the development testing of radio navigation systems;
- contributing to the dissemination of technical knowledge and lessons learned across the Agency;
- actively participating in weekly section meetings and other periodic events at division, department and directorate level.

QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in telecommunications or electrical engineering, with a good background in (satellite) radio navigation systems, receiver R&D (particularly GPS, EGNOS and Galileo) and several years' experience of working in these fields. Experience in space receiver development is a key asset for the post.

Candidates are expected to demonstrate the ability to establish positive working relations inside and outside the Agency and should therefore have good interpersonal and communication skills. They should have the ability to work autonomously, effectively and cooperatively in a diverse, 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.

Candidates shall be eligible for security clearance from their National Authority.

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 **15 September 2015**.

Applications from external candidates for this post should preferably be made [online](#) from the ESA website (www.esa.int/careers). Those unable to apply online should submit their CV to Human Resources, ESTEC, Keplerlaan 1, 2201 AZ Noordwijk ZH, The Netherlands.

ESA staff members wishing to apply should fill in the [Internal Application Form](#) and email it to [Apply2ESTEC](#).

The Agency may require applicants to undergo selection tests.

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.