

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

EGNOS V2 Performance System Engineer in the Radio Navigation Systems & Techniques Section, RF Systems Payloads & Technology Division, Electrical Engineering Department, [Directorate of Technical and Quality Management](#).

This post is classified in the A2–A4 grade band on the Coordinated Organisations' salary scale.

LOCATION

ESTEC, Noordwijk (Netherlands), with resident assignment in Toulouse (France).

DUTIES

Initially assigned as integrated support to the EGNOS Project and reporting to the Head of the System Engineering Section, the postholder will primarily be responsible for monitoring and managing the industrial work packages for EGNOS V2 performance matters and contributing to all mission evolutions. Training and familiarisation with the parent Department's mandate, processes and procedures will be provided at the start of this assignment.

The main duties will include:

- acting as Division representative for EGNOS V2 system performance-related matters;
- ensuring consistent EGNOS V2 system performance requirements specification (integrity, continuity, accuracy, availability) compliance and qualification across the Division especially with the Mission, PA/Safety/Security and Development teams;
- supporting the Division for all aspects relating to those system performance requirements, compliance and qualification in particular for the Mission, Standards and User Segment;
- supporting the traceability, statements of compliance and deviations from higher-level requirements documents including MRD and SPRD and applicable European Commission technical standards for EGNOS V2 performance requirements;
- being book captain for the system's technical external interfaces related to EGNOS V2 performance qualification (e.g. CFIs for scenarios, real data, feared events definition);
- supporting the EGNOS V2 procurement process and following up industrial activities concerning performance-related aspects including performance requirements compliance, qualification and flow-down, design description and justification;
- supporting the various Project-level change control boards (MRD CCB, Project CCB, OR Panel, SE Board, Programme CCB, etc.);
- being responsible for ensuring EGNOS V2 qualification with respect to the performance requirements;
- being responsible for the EGNOS V2 performance simulation/analysis tools roadmap and implementation plan;
- preparing and following up industrial tasks and development in support of the system performance engineering from early concept to system qualification including development of performance simulation/analysis tools;
- contributing to specific EGNOS V2 NAV-Chain-related task force processes relating to system compliance with applicable baseline requirements;
- contributing as panel chair/secretary for all major reviews linked to EGNOS V2 and performance matters;
- contributing to the EGNOS V2/V3 transition and other roadmaps from a performance perspective;
- preparing reports for internal and external entities such as ESA management, GSA, ANSP working group and MRD CCB;

- participating in periodic meetings with the parent Section, contributing to the transfer of technical knowledge and lessons learned across the Agency.

QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in telecommunications or electronic engineering, with a good background in satellite navigation systems and several years' work experience in these fields.

Experience of procurement of industrial activities, safety-critical software and real-time software development/verification would be a distinct advantage.

Experience of mission requirements analysis, system design/performance and procurement preparation (of technical requirements, SOWs, negotiating with industry) and implementation (technical follow-up, acceptance and qualification reviews, etc.) is required.

Candidates should have good interpersonal and communication skills. They should be able to work autonomously, effectively and cooperatively in a diverse and international team environment, defining and implementing solutions in line with team and individual objectives and project deadlines.

Applicants should also have good analytical, organisational and reporting skills, a proactive attitude to problem-solving and an interest in innovative technologies.

For behavioural competencies expected from ESA staff in general, please refer to the [ESA Competency Framework](#).

Candidates must be eligible for security clearance from their national security administration.

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.

CLOSING DATE

The closing date for applications is **21 January 2016**.

Applications from external candidates 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, Estonia, Finland, France, Germany, Greece, Hungary, 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.