

## **EUROPEAN SPACE AGENCY**

### **Vacancy in the Directorate of the Galileo Programme and Navigation Related Activities**

The European Space Agency is an equal opportunity employer  
and encourages applications from women

#### **POST**

EGNOS Principal Performance System Engineer in the System Engineering Section, EGNOS and SBAS Division, Strategy and Programme Department, Directorate of the Galileo Programme and Navigation Related Activities.

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**

The postholder will report to the Head of the System Engineering Section and will be primarily responsible for following up and managing the industrial work packages for EGNOS performances, with a focus on EGNOS V3, and for contributing to all mission evolutions.

Duties will include:

- acting as the division representative regarding matters related to EGNOS system performance;
- ensuring the consistency of EGNOS system performance requirements specification (Integrity, Continuity, Accuracy, Availability), compliance and qualification across the division, especially with Mission, PA/Safety/Security and Development teams;
- supporting the division regarding all aspects of system performance requirements, compliance and qualification, in particular Mission, Standards and User Segment aspects;
- supporting traceability, statements of compliance and deviations from higher level requirements documents, including MRD and SPRD and applicable EC technical standards, regarding performance requirements;
- acting as book captain for the system technical external interfaces related to performance qualification (e.g. CFIs for scenarios, real data, feared events definition);
- supporting the EGNOS procurement process and following up industrial activities with regard to performance-related aspects, including performance requirements, compliance and qualification, flowdown of the performance requirements, design description and justification;
- supporting the various EGNOS project change control boards (MRD CCB, Project CCB, OR Panel, SE Board, Programme CCB, etc.);
- responsibility for ensuring EGNOS qualification with respect to performance requirements;
- managing the EGNOS performance simulation and analysis tools roadmap and its implementation plan;
- preparing and following up industrial tasks and developments in support of EGNOS system performance engineering from early concept to system qualification, including development of performance simulation and analysis tools;
- responsibility for all performance-related aspects addressed in the Galileo EGNOS Working Group (GEWG);
- contributing to specific NAV-Chain related task force processes with respect to EGNOS compliance with applicable baseline requirements;

- contributing as panel chairman/secretary to all major reviews linked to EGNOS and performance matters;
- contributing to the EGNOS V2/V3 transition and other roadmaps from a performance perspective;
- coordinating a team of performance and tools engineers to achieve the objectives of the role described above. This task also includes definition and management of functional support and contractors as required;
- preparing reports for internal and external entities, such as ESA management, GSA, ANSP Working Group and MRD CCB;
- coordinating with the GSA regarding all aspects of EGNOS performances;
- contributing to the dissemination of results of activities performed and knowledge transfer across and outside the Agency, as approved by management.

## 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, including several years' working experience in these fields.

Relevant experience in mission requirement analysis, system design and performance, in procurement of industrial activities, and in safety-critical and real-time software, 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 and to define and implement 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 solving problems and an interest in innovative technologies.

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

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

The working languages of the Agency are English and French. A good knowledge of one of these 1 is required together with a working knowledge of the other. Knowledge of another Member State language would be an asset.

## CLOSING DATE

The closing date for applications is **9 December 2015**.

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 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.

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**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.**