

**EUROPEAN SPACE AGENCY**

**Vacancy in the Directorate of Technology, Engineering and Quality**

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. Applications from women are encouraged.

<b>TITLE</b>	System Engineer in the Systems and Concurrent Engineering Section, Systems Engineering Division, Systems Department, <a href="#">Directorate of Technology, Engineering and Quality</a> .
<b>GRADE</b>	<p>This post is classified in the A2–A4 grade band on the Coordinated Organisations' salary scale.</p> <p>This position forms part of ESA's Advance Recruitment Scheme which is established to provide appropriate staffing resources when requirements materialise. Appointments are therefore made for an initial duration of two years, after which the selected candidate may be appointed to a permanent post at the Agency.</p>
<b>LOCATION</b>	ESTEC, Noordwijk (Netherlands).
<b>DUTIES</b>	<p>The postholder will be responsible for systems engineering tasks in the Systems and Cost Engineering Division. Its tasks are to provide systems engineering support to ESA projects, from early phase studies in the Concurrent Design Facility (CDF) to implementation phase and conducting R&amp;D activities in the system engineering domain.</p> <p>Reporting to the Head of Systems and Concurrent Engineering Section, the postholder is responsible for:</p> <ul style="list-style-type: none"><li>• providing system engineering support to ESA projects and programmes, initially with a focus on Galileo 1st &amp; 2nd Generation;</li><li>• satellite security design activities, ensuring coherence and compatibility of security design across procurement areas and reporting to the Systems Engineering processes;</li><li>• participating in meetings and reviews, including panel secretariat functions, in areas related to space segment security;</li><li>• analysing, defining and specifying mission concepts covering all segments (platform, payload, ground) through internal and industrial studies;</li><li>• participating in ESA concurrent engineering studies and activities in cooperation with the Directorate's technical specialists, project teams and industry;</li><li>• investigating and promoting the application of systems engineering and concurrent engineering methodologies to space projects and complex system architectures;</li><li>• proposing, initiating and managing R&amp;D industrial activities related to security, systems and concurrent engineering;</li><li>• supporting standardisation activities in the systems engineering area;</li><li>• promoting CDF use to support ESA programmes, industry and external customers;</li><li>• contributing to the dissemination of the results of activities performed and knowledge transfer across the Agency;</li><li>• supporting Directorate activities as required within the field of competence.</li></ul>

The incumbent will be part of a technical team, supported by specialists, and will therefore work in close cooperation with Directorate engineers, project engineers and external experts.

## **QUALIFICATIONS**

Applicants for this position should have a Master's degree or equivalent qualification in engineering or physics. Knowledge and experience in one or more of the following areas would be an asset: avionics hardware and software design/testing, security equipment for space programmes, systems engineering, concurrent engineering, mission design, feasibility studies and the related informatics tools/infrastructure.

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, as well as project deadlines. They should have good analytical, organisational and reporting skills, a proactive attitude to problem-solving and an interest in innovative technologies.

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

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

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 **23 May 2017**.

Applications from external candidates 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 CVs 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.

If you require support with your application due to a disability, please email [contact.human.resources@esa.int](mailto:contact.human.resources@esa.int).

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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, Slovenia, Spain, Sweden, Switzerland, the United Kingdom and Canada.**

**Recruitment will normally be at the first grade in the band (A2); however, if the candidate selected has little or no experience, the position may be filled at A1 level.**

**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.**