

Galileo System Security Engineer

Job Req ID: 10226

Closing Date: 11 May 2021

Publication: Internal & External

Vacancy Type: Permanent

Date Posted: 13 April 2021

Vacancy in the Directorate of Navigation.

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

This post is classified A2-A4 on the Coordinated Organisations' salary scale.

Location

ESTEC, Noordwijk, The Netherlands

Description

Galileo System Security Engineer in the Galileo G1 System Security Unit in the Galileo G1 System Security Service, Galileo First Generation Project Office, Galileo Programme Department, Directorate of Navigation.

The Galileo G1 System Security Unit is responsible for the specification, design, implementation and qualification of the System and Segment security requirements within the Galileo Programme.

Duties

You will report to the Head of Unit and work in a matrix organisation with functional reporting to the Head of Ground Mission Segment and Security Segment Management Service. Your main tasks and responsibilities will be to work as Technical officer for the security key management facilities of the Ground Mission Segment. This will include:

- maintaining the general security requirements and the requirements of the key management functions at System and Segment level as well as the associated Interface Control Documents,
- maintaining the key management functions within the System design definition file (logical and physical), participating in segment and element design reviews to ensure proper design of the key management facilities in line with system expectations,
- following up the development and qualification of the segment and element key management facilities, including participating in the corresponding segment and element level reviews, qualification campaigns (reviewing the segment and element test plans, closely following up segment and element tests with respect to the general security and key management functions, test witnessing and qualification credit reviews),
- ensuring that the key management functions are also qualified at system level, by supporting system integration and verification activities, helping in the definition of system testing with respect to key management and following up system tests (test witnessing, and participation in TRRs, TRBs),

- following-up System and Segment Anomalies related to general security and key management, including interaction with industry (in full coordination with Segment procurement manager) to provide updates, maintenance releases or workarounds,
- contributing to the design and development of new system security facilities for Galileo supporting its services evolution (e.g. for Commercial Authentication Services).

Duties may also include supporting other activities within your field of competence and the transfer of knowledge across the Agency.

Technical competencies

Design, development, deployment and testing of complex secure systems

Knowledge Satellite navigation principles and related security architectures

Background and substantial experience (5 years minimum) in the technical domains covered by the position

Experience in the definition and in the implementation of Ground Segment projects

Galileo system and ground segment architecture

Security engineering and associated disciplines, in particular communications and network security

Behavioural competencies

Communication

Results Orientation

Problem Solving

Planning & Organisation

Teamwork

Education

A Master's degree in computer science, electrical engineering or other scientific disciplines is required.

Additional requirements

Knowledge of ISO 27001 standard and protection against cyber security threats will be an asset.

Other information

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.

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.

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, Latvia and Slovenia and in addition of Member States of the European Union not members of ESA: Bulgaria, Croatia, Cyprus, Lithuania, Malta and Slovakia.

According to the ESA Convention the recruitment of staff must take into account an adequate distribution of posts among nationals of the ESA Member States. When short-listing for an interview, priority will first be given to internal candidates and secondly to external candidates from under-represented Member States.

(<https://esamultimedia.esa.int/docs/careers/NationalityTargets.pdf>)

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.

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.

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