

# Job Title: G1G/G2G Ground Transition Engineer

Job Requisition ID 10067 - Posted 15/10/2020



## EUROPEAN SPACE AGENCY

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.

### Post G1G/G2G Ground Transition Engineer

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

**Location**  
ESTEC, Noordwijk, The Netherlands

### Description

G1G/G2G Ground Transition Engineer, in the Ground Software Systems & Functional Verification Section, Software Systems Division, Systems Department, Directorate of Technology Engineering & Quality.

You will be assigned as integrated support in the Galileo G2 Ground Segment Management Service, within the Galileo Ground Segment Management Office, Directorate of Navigation. At the start of this assignment, training will be provided and familiarisation with the parent Department's remit, processes and procedures facilitated.

The G1G/G2G Ground Transition Engineer supports the procurement and development of the next generation of the Ground Segment for Galileo. The 2nd Generation Galileo Ground Segment will modernise the existing infrastructure and support the enhancement of navigation services through the integration of next-generation Galileo Satellites (GTS) as well as the 2nd Generation Satellites. The G1G/G2G Ground Transition Engineer will focus on developing the transition strategy to ensure continuation of service during the transition from the 1st to the 2nd Generation Galileo Ground Segment.

### Duties

The main duties of the G1G/G2G Ground Transition Engineer will include:

- leading consolidation of an optimal G1G/G2G transition scenario;
- supporting the specification and design of transitory G1G/G2G interfaces and functionality as required to implement the G1G/G2G transition scenario;
- supporting management of the 2nd Generation Galileo Ground Segment unclassified and classified Technical Baseline (applicable requirements and standards);
- supporting definition of the 2nd Generation Galileo Ground Segment Statement of Work according to the applicable ECSS standards and system design objectives;
- providing support to the 2nd Generation Galileo System Design activities as necessary to ensure consistency with the G1G/G2G transition scenario;
- supporting specification of prototyping and pre-development activities to support the G1G/G2G transition scenario;
- regular reporting to the Head of the Galileo G2 Ground Segment Management Service;
- supporting Ground Segment reviews according to the SoW milestones and applicable ECSS standards;
- participating in periodic meetings with the TEC parent section, contributing to the dissemination of results of activities performed and knowledge transfer across and outside the Agency in accordance with management approval.

### Technical competencies

In-depth knowledge of Galileo system and ground segment architecture  
Experience with both Platform and Payload Operations as well as with the design, development, maintenance and application of related operational and ground segment tools and methods (such as Mission Control Systems, Operational simulators, etc.)  
Knowledge and experience in the fields of Navigation and related data processing and performances aspects  
State-of-the-art knowledge in area of IT Infrastructure and software development and related IT trends in industry  
Knowledge and understanding of cyber security matters  
Solid understanding/knowledge of requirements engineering

## Behavioural competencies

Customer Focus  
Planning & Organisation  
Results Orientation  
Communication  
Teamwork

## Education

A Master's degree in information technology, electrical engineering or other scientific discipline is required.

## Additional requirements

- You must have, or be able to obtain, security clearance to 'ESA Secret' level.
- You should have a good knowledge of Agile software engineering techniques. Knowledge of a scaled agile methodology would be a further advantage.
- Experience and understanding of the following technologies and engineering practices would also be considered an asset: MBSE, PaaS, Virtualisation, IaaS, microservices, Confluence, Kafka.

## 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.

**The closing date for applications is 12 November 2020.**

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

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. (<http://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.