# Job Title: Galileo PRS Test User Receiver Engineer

Requisition ID **10175** - Posted **03/12/2020**

## 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
### Galileo PRS Test User Receiver Engineer

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

### Location
ESTEC, Noordwijk, The Netherlands

### Description
Galileo PRS Test User Receiver 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.

### Duties
You will report to the Head of Unit, and your main tasks and responsibilities will consist of being the Technical Officer for the PRS Test User Receiver (TUR-P). The tasks include:

- Managing the procurement, maintenance and evolution of the Galileo PRS Test User Receivers (TUR-P) developed and used in the Galileo programme to support system design and qualification (IOC and FOC PRS). This includes future maintenance or evolutions of the receivers;
- Supporting the activities related to PRS User Receiver development and validation carried out by the European GNSS Agency (GSA);
- Contributing to the definition and validation of the concept of operations for PRS access control within the G1 Security Service;
- Carrying out the tasks of PRS Signal in Space monitoring;
- Preparing and organising Qualification Reviews (QR) and Acceptance Reviews (AR), and participating in the Non-conformance Review Board (NRB) to ensure operational readiness of the TUR-P and its compliance with system requirements;
- Following the segment development of PRS functionality, ensuring that the PRS Signal in Space is correctly implemented. This includes close follow-up of design and verification activities performed at segment level;
- Interfacing with the Galileo G1 System Engineering Service, and in particular the Signal In Space Engineering Unit, to contribute to the system specifications and requirements for the PRS Signal in Space Radio Frequency part and its Navigation performance;
- Interfacing with the Galileo G1 System AIV & Deployment Service to support end-to-end system testing, qualification and validation of the PRS Service using the TUR-P. This includes validation of PRS access control, including the chain from POCP to end user.
- Participating in Galileo project reviews related to system design and qualification for the PRS Services and signal improvements. This includes participation in Operations meetings such as the Service Exploitation Review (PRS session);
- Contributing to the interface with PRS users (CPAs) and receiver manufacturers to prepare for the PRS service declaration, and supporting the different validation campaigns in coordination with the European GNSS Agency (GSA);
- Preparing the Galileo PRS receiver work plan and coordination of activities to ensure optimal allocation of resources and synergies during system validation and test campaigns, liaising with D/TEC to ensure a coherent receiver activities scope and contributing to the Navigation Laboratory procurement plan.

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

### Technical competencies

In-depth experience in the development and manufacturing of GNSS receivers, preferably PRS receivers
Knowledge and experience in the fields of Navigation and related data processing and performances aspects
Demonstrable knowledge of and experience in Galileo security architecture and PRS access control
Experience in satellite and radio navigation signal engineering and related R&D activities
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 engineering is required.

## 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 30 December 2020.**

If you require support with your application due to a disability, please email 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 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.