

EUROPEAN SPACE AGENCY

Directorate of the Galileo Programme and Navigation related activities

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

OPEN TO SECONDED EXPERTS

POST EGNOS System Reference Station Engineer in the EGNOS and SBAS Division, EGNOS & GNSS Evolution Programme Department, Directorate of the Galileo Programme and Navigation related activities.

LOCATION ESA EGNOS Division - Toulouse (France)

DUTIES The post-holder will be deployed in the Development and AIV Section of the EGNOS and SBAS Division Navigation, and will report to the Head of the Data Collection Unit. The incumbent will be primarily responsible for the following tasks:

- Follow and manage the industrial activities in the area of specifications, design, development and validation for the EGNOS V2 and V3 Ranging Integrity Monitoring System (RIMS) at Hardware and software levels;
- Specifically, manage and steer the industrial developments for both single and multifrequency/multiconstellation receiver design, encompassing all levels of development and performance parameters to sustain the System level performance requirements;
- Support the System team contributing to Integrity and Continuity budgets with consolidated Receiver performance data, as well as critically reviewing the System processing performance of sensed data within the SBAS processing nodes of both EGNOS V2 and V3 infrastructures;
- Maintain a high level of expertise of SBAS and Avionics receiver technology, including a good understanding of the commercial receiver market as well as the international standards applicable to such receiver technology;
- Maintain a good knowledge of the RF environment conditions in EGNOS Hosting sites through site survey results and EGNOS system operations feedback constraining the operability and performance of the RIMS Subsystem; and support site cleaning activities
- Contribute to Research and Development activities by proposing antenna and receiver experimentations and improvements for supporting the various Navigation Test Beds activities of the Department;
- support the system Qualification, Safety, Security and AIV engineers in his area of expertise.