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

TITLE   EGNOS V3 Test-bed Engineer

LOCATION   ESA EGNOS Division - Toulouse (France).

DUTIES   The post-holder will be deployed in the System Engineering section of the EGNOS and SBAS Division Navigation, and will report to the EGNOS V3 Principal System Engineer.

He will primarily be responsible for supporting the EGNOS Principal System Engineer following and managing the industrial work packages for EGNOS V3 test-beds and experimentations. This covers industrial supervision, interactions with the V3 Prime contractors during phase C/D, and developing subcontractors.

He will also interact with the Mission and System Performance teams to coordinate contributions in ensuring overall test-bed consistency with mission compliance assessments and system performance requirements.

He will be responsible for supporting the EGNOS V3 Principal system Engineer in ensuring consistency with other R&D program activities that contribute towards the overall goals of the V3 programme and its evolutions (e.g. test-bed projects aimed at augmenting EGNOS V3 coverage and applications).

The holder of this position will also support the system Qualification, Safety, Security and AIV engineers in their areas of expertise for what concerns test-bed related aspects.

Precise Responsibilities include:

- Book captain of EGNOS V3 system test-bed specifications in consistency with EGNOS V3 system requirements and associated project evolutions. Participation in the various change control instances with regards to the test-beds (e.g. Project Change Control Board for delivery of Customer Furnished Items). This responsibility includes the

preparation or contribution to technical specifications, to external interface definition documents, to Customer Furnished Items definition and to any other technical baseline document managed by EGNOS ESA team related to the test-beds and associated experimentations;

- supporting the procurement process, particularly for what concerns the applicable technical test-bed baseline typically in support of the EGNOS V3 Technical Officer;

- supporting the EGNOS V3 Principal System Engineer for adequate configuration/version control of the test-bed and experimentation baseline applicable requirements for V3 releases. This could include using specific tooling such as DOORS;

- ensuring traceability to higher level requirements documents including Mission Requirement Document, and Service Provider Requirement Document and applicable EC technical standards for what concerns test-beds;

- supporting the EGNOS V3 Principal System Engineer in assessing Industry compliance statements to applicable technical test-bed baseline;

- following up the industrial activity of test-bed design flow down of the requirements and in particular the lower level specifications and Design justification File & Design Definition File documentation.

- contribution to the effective assessment of test-bed algorithms and experimentation campaigns with respect to the overall objectives of risk mitigation of system development;

- supporting the EGNOS V3 Principal System Engineer in ensuring overall EGNOS V3 system consistency in requirements compliance. This responsibility includes coordination with the performance team contributions needed to ensure such a qualification (e.g. ensuring compliance to performance requirements for the Performance Budget Management File);

- support EGNOS V3 major release reviews for what concerns test-beds;

- ensuring consistency with other V3 related test-bed activities, either within the project or externally to the project (e.g. consistency with other public or private sector test-bed initiatives);

- Coordination with the EGNOS Service Provider Engineering team (GSA) for all aspects related to EGNOS V3 test-beds (e.g. coordination of the usage of shared operational resources such as network, RIMS, message dissemination means).