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EUROPEAN SPACE AGENCY

Vacancy in the Directorate of EU and Industrial Programmes

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

POST Mission Analysis Engineer in the GALILEO Project Office,
Navigation Department, Directorate of EU and Industrial
Programmes.

This post is classified in the A2/A4 grade band of the
Coordinated Organisations' salary scale.

LOCATION ESTEC, Noordwijk (The Netherlands).

DUTIES The holder of this post, reporting to the Galileo System
Engineering Manager, will be concerned with the mission
analysis tasks for the Galileo satellite system. The
responsibilities include in particular:

- acting as focal point for all issues related to the satellite constellation and its deployment, including the management of spares and the associated replenishment strategy;
- ensuring proper implementation of the critical performance requirements related to satellite orbit determination and orbit keeping throughout the different mission phases starting from LEOP to In Orbit Validation throughout Full Deployment up to Final Operation Capability;
- following up the definition and actual verification of the spacecraft properties that are critical to ensure the high accuracy orbit determination such as attitude law, Centre of Mass position accuracy and stability, Solar radiation Pressure, etc;
- liaising with the satellite laser ranging community and the International Laser Ranging Service in particular;
- supporting the Space Segment team in its area of expertise, in particular the Avionics subsystem;
- supporting the Ground Segment team in its area of expertise, in particular flight dynamics and navigation processing functions;
- performing the necessary constellation analysis involving computer simulations as required by the Project.

QUALIFICATIONS

Applicants should have a university degree or equivalent qualification in aerospace engineering, together with relevant practical experience in the field of celestial mechanics and orbit determination techniques.

Knowledge of modern computer systems, programming languages, spacecraft mission analysis and design tools is required. Familiarity with data processing techniques for satellite navigation systems (Galileo, GPS) is also desirable.

The applicants shall be ready to take security clearance from the national relevant authority.

The working languages of the Agency are English and French. A good knowledge of one of these two languages is required. Knowledge of another member state language is an asset.

CLOSING DATE

Applications from external candidates for this post should reach the ESTEC Human Resources Division not later than 1 March 2005, and should preferably be made on-line at the ESA Web Site (www.esa.int/careers). Those unable to apply on-line should submit their CV to the Head of the Human Resources Division, ESTEC, Keplerlaan 1, 2201 AZ Noordwijk ZH (The Netherlands).

ESA staff members wishing to apply for this post should fill in the Internal Application Form, which can be downloaded from <http://ids2.estec.esa.int/apply>

Under ESA Regulations, the age limit for recruitment is 55. Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, The United Kingdom and Canada.