

## **VACANCY NOTICE**

### **EPS-SG SYSTEM ENGINEER**

EUMETSAT is Europe's meteorological satellite agency. Its role is to establish and operate meteorological satellites to monitor the weather and climate from space - 24 hours a day, 365 days a year. This information is supplied to the National Meteorological Services of the organisation's Member and Cooperating States in Europe, as well as other users worldwide.

EUMETSAT also operates several Copernicus missions on behalf of the European Union and provide data services to the Copernicus marine and atmospheric services and their users.

As an intergovernmental European Organisation, EUMETSAT has 30 Member States (Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, The Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.)

EUMETSAT is now inviting well qualified candidates from its Member States to apply for the following post:

**POST:** EPS-SG System Engineer

**LOCATION:** The position will be based at EUMETSAT HQ in Darmstadt.

**DURATION  
OF INITIAL  
CONTRACT:**

The initial contract will be of 4 years' duration, with subsequent 5 year contracts being awarded thereafter, subject to individual performance and organisation requirements. There is no limit to the amount of follow-up contracts a staff member can receive up to the EUMETSAT retirement age of 63, and there are certainly opportunities to establish a long career perspective at EUMETSAT.

**BACKGROUND:** The EUMETSAT Polar System of Second Generation (EPS-SG) will monitor weather, the environment and climate from the mid-morning polar orbit over a period of 21 years, based on three successive pairs of Metop-SG satellites, the first of which are planned to be launched in 2021/2023. Each pair of satellites will embark a total of eleven instruments.

The EPS-SG system includes the six Metop-SG satellites (developed and procured by the European Space Agency (ESA) through a cooperation agreement), the ground segment, the launch services and the LEOP services.

EUMETSAT is the system authority for the development of the EPS-SG system as well as all operations of the system. The holder of the post will be responsible for all system engineering activities related to the satellite and mission control chain of the EPS-SG System and will report to the EPS-SG System Engineering Manager.

**DUTIES:**

The main duties of the post will be to:

- Maintain the EPS-SG system requirements and support the definition of the corresponding satellite, instrument and ground segment requirements;
- Define all the Packet Utilisation Standard (PUS) services, satellite on-board control procedures and tailoring required to support the foreseen operations of the satellite and instruments;
- Define all end to end data flows related to satellite and mission control in the system model, and contribute to the production of any related Interface Requirements Document (IRDs) / Interface Control Document (ICDs);
- Produce any necessary design documentation, analyses and trade-offs and present them in major programme reviews such as Preliminary Design Review (PDR), Critical Design Review (CDR), Launch and Operations Readiness Review (LORR) etc.;
- Provide support to operations preparation activities, including reviewing and providing inputs to the Mission Operations Concept Document; the operational scenarios in the Reference Operations Plan; and the operations procedures;
- Follow up the space and ground segment development and testing to ensure the overall operability and coherence of the EPS-SG system, in line with the defined operations concepts;
- Participate in all related system testing such as end to end Monitoring and & Control tests, System Validation Tests and In-Orbit Verification, and support any related anomaly investigation, result analyses and report production;
- Act as the point of contact for the EUMETSAT teams, partners and industry with respect to all satellite and mission control aspects;
- Participate in meetings and reviews as necessary;
- Provide satellite and mission control support to the Operations Department after the handover of the system to operations and during its maintenance;
- Provide System Engineering support to other current and future EUMETSAT Low Earth Orbit missions.

**QUALIFICATIONS:**

- University Degree in Science or Engineering.

**SKILLS AND EXPERIENCE:**

- Proven and comprehensive experience in satellite development;
- Extensive and detailed knowledge of ECSS PUS and spacecraft on-board procedure standards;
- Demonstrated experience of translating operations concepts into PUS specifications, satellite and ground segment requirements;
- Demonstrated experience of producing system design documents such as Interface Control Documents and trade-off analyses;
- Excellent communication skills both oral and written, with the ability to interact at all levels.

The official languages of EUMETSAT are English and French. Candidates must be able to work effectively in English and have some knowledge of French.

**CLOSING DATE: 15 January 2017**

Interviews are tentatively scheduled for week 7/2017.

**Applications in English or French should be sent via our online form (attaching curriculum vitae and covering letter quoting Reference VN(16)56) at**

**[www.eumetsat.int](http://www.eumetsat.int)**

This post is graded A3/A4 on the EUMETSAT salary scales. The minimum basic salary for this post is EURO 6,618 per month (net of internal tax) which may be negotiable on the basis of skills and experience. The salary scale provides for increments on the anniversary of taking up employment, and scales are reviewed by the EUMETSAT Council with effect from 1 January each year. In addition to basic salary, EUMETSAT offers attractive benefits. Further information, including salary details, is available on the EUMETSAT web site.

**EUMETSAT is committed to providing an equal opportunities work environment for men and women.**

**Please note that only nationals of EUMETSAT Member States may apply. The EUMETSAT Convention requires that Staff shall be recruited on the basis of their qualifications, account being taken of the international character of EUMETSAT. EUMETSAT does not operate a nationality quota system but, in recruiting Staff members, the geographical distribution will be taken into account.**