

EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Technical and Quality Management

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

POST Payload System and Digital Engineer in the On-Board Computers and Data Handling Section, Data Systems Division, Electrical Engineering Department, [Directorate of Technical and Quality Management](#).

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

LOCATION ESTEC, Noordwijk (Netherlands).

DUTIES The postholder will initially be assigned as integrated support to the function of OBDH Payload System Engineer in the Galileo Space Segment Procurement Office of the Galileo Programme Department, Directorate of the Galileo Programme and Navigation-related Activities and will report to the Galileo FOC Payload Manager.

Within the project guidelines and constraints, and under the supervision of the Galileo FOC Payload Manager, the Payload System and Digital Engineer will be responsible for:

- participating in the definition, specification and verification of the navigation payload system activities with emphasis on the digital and signal-related domains, including its aspects of telemetry/telecommand (TM/TC) interfaces with the platform;
- participating in the segment and inter-segment project activities and reviews related to navigation payload systems;
- contributing to the industrial monitoring of navigation payload and payload equipment development and production activities;
- contributing to the early identification of problem areas and participating in their resolution in non-conformance and engineering boards;
- supporting the navigation payload verification and validation activities in particular for environmental testing, end-to-end testing, in-orbit testing and operations;
- supporting navigation payload security activities;
- coordinating the specialised engineering support provided by the Directorate of Technical and Quality Management in the appropriate areas of competence.

The incumbent shall participate in periodic (at least monthly) meetings with the parent section and contribute to the transfer of technical knowledge and lessons learned across the Agency.

QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in electrical engineering, electronics, computer science, telecommunications or a related field. In addition, they should have substantial industrial experience in payload engineering and digital electronics, preferably during the C/D phases of one or more projects. A good background in design, simulation, manufacturing and testing of payloads and payload equipment, such as instrument control units, payload computers and mass memory, is required, as well as a proven ability to work in a project team and experience of working with industry.

Candidates should also be familiar with space applications of computers and data handling and communication systems and with the effects of the space environment. Knowledge of related ECSS engineering standards and space quality requirements is also required. A background in the radio navigation domain would be a significant asset.

Applicants must be eligible for security clearance by their national security administration.

Candidates should have good interpersonal and communication skills. They should have the ability to work autonomously, effectively and cooperatively in a diverse and international team environment and to define and implement solutions in line with team and individual objectives and project deadlines.

In addition, applicants should have good analytical, organisational and reporting skills, a proactive attitude towards solving problems and an interest in innovative technologies.

The working languages of the Agency are English and French. A good knowledge of one of these languages is required. Knowledge of another Member State language would be an asset.

CLOSING DATE

The closing date for applications is **04 August 2014**.

Applications from external candidates for this post should preferably be made [online](#) from the ESA website (www.esa.int/careers). Those unable to apply online should submit their CV to the Human Resources, 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](#) and email it to [Apply2ESTEC](#).

The Agency may require applicants to undergo selection tests.

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, the Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, the United Kingdom and Canada.

Priority will first be given to internal candidates and secondly to external candidates from under-represented Member States.

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.