

EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Technical and Quality Management

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. Applications from women are encouraged.

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

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

LOCATION ESTEC, Noordwijk (Netherlands).

DUTIES The On-Board Payload Data Processing Section provides functional support to ESA projects and carries out technological research (R&D) in the field of on-board payload data acquisition, handling and processing.

Reporting to the Head of Section and in the above technical fields, the main tasks and responsibilities include:

- providing expert technical support and consultancy to ESA projects, programmes and general studies for on-board payload data acquisition, handling and processing, throughout all project phases;
- participating in project reviews and evaluations of procurement proposals;
- identifying critical development problems, assisting with their resolution;
- contributing to the definition of technology development requirements and work plans for ESA's Technology programmes;
- defining, initiating and managing R&D activities covering long and short-term needs;
- fostering new application areas for multidisciplinary activities, with emphasis on innovative concepts, cutting-edge technologies and system architectures;
- defining data-handling and processing system architectures, optimising high-accuracy as well as high-speed data acquisition chains up to and including validation in a laboratory environment;
- monitoring applicable scientific and technological trends, maintaining state-of-the-art expertise;

- contributing to the dissemination of the results of the activities performed and knowledge transfer across the Agency.

QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in signal/image processing techniques or digital electronics design, plus some years' experience in on-board processing, high speed networks and mass-memory equipment design. Experience in these areas as applied to aerospace programmes would be an asset.

Applicants should have good interpersonal and communication skills. They should be able to work effectively, autonomously and cooperatively in a diverse and international team environment, defining and implementing solutions in line with team and individual objectives, as well as project deadlines.

Applicants should also have good analytical, organisational and reporting skills, a proactive attitude to problem-solving and an interest in innovative technologies.

For behavioural competencies expected from ESA staff in general, please refer to the [ESA Competency Framework](#).

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

CLOSING DATE

The closing date for applications is **1 September 2016**.

Applications from external candidates should preferably be made [online](#) from the ESA website (www.esa.int/careers). Those unable to apply online should submit their CVs to Human Resources, ESTEC, Keplerlaan 1, 2201 AZ Noordwijk ZH, The Netherlands.

ESA staff members wishing to apply should fill in the [Internal Application Form](#) and email it to Apply2ESTEC.

The Agency may require applicants to undergo selection tests.

If you require support with your application due to a disability, please email contact.human.resources@esa.int.

Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, 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.