

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

AIV (Assembly, Integration & Verification) Engineer in the Test Support Section in the ESTEC Test Centre Division, Mechanical 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 postholder will report to the Head of the Test Support Section, within the ESTEC Test Centre Division. The Section provides functional support to ESA projects and related development activities.

The main tasks and responsibilities of the incumbent will include:

- preparing the requirements related to satellite AIV;
- ensuring the definition and implementation of a satellite AIV programme which meets project technical and programmatic requirements, having regard to model philosophy, planning, costing, risk assessment and test execution;
- monitoring system-level integration and test activities;
- participating in Test Readiness Reviews (TRR) and Post-Test Reviews (PTR) as the project representative in coordination with those responsible for engineering and Product Assurance (PA), participating in Test Review Boards (TRB) and Nonconformance Review Boards (NRB) as one of the project representatives, providing daily AIT reports as required;
- supporting launch campaigns, ensuring launch facilities are inspected and verified and are in the required state of readiness for the satellite, monitoring all AIT/AIV activities up to launch completed in accordance with an agreed launch operations plan; these activities may require physical presence for prolonged periods at the launch site in support of the launch campaign manager;
- engineering support, monitoring and control for industrial activities related to the specification, procurement and utilisation of mechanical ground support equipment;
- engineering support for test planning, test procedure development, test execution and test analysis, in particular for mechanical, thermal and electromagnetic testing of satellite systems/subsystems;
- supporting the Test Centre customers through all project phases, taking into account project requirements and performance of facilities;
- participating in formal project reviews and tender evaluation boards, usually on the AIV panel;
- supporting definition studies in the Concurrent Design Facility at ESTEC for the discipline AIV/programmatics;
- participating in developing new AIV tools, preparing and implementing investments and documenting procedures;
- participating in developing engineering standards in the Section's field of competence;

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

In carrying out these duties, the postholder may need to visit frequently satellite developers, equipment and subsystem suppliers, plus other satellite integration and test centres.

QUALIFICATIONS

Applicants for this post should have:

- a Master's degree or equivalent qualification in aerospace or mechanical engineering or a related field;
- extensive experience of satellite-level environmental, performance and functional tests;
- experience of at least one complete satellite test and launch campaign in an AIT/AIV role;
- experience of satellite verification engineering;
- good knowledge of MGSE and infrastructure;
- good knowledge and practice of standard informatics tools (text editors, spreadsheets, etc.).

Candidates 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 **20 April 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.

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.