

Job Title: MPCV-ESM Avionics System Engineer

Req ID 8845 - Posted 20/11/2019



EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Human & Robotic Exploration Programmes.

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

MPCV-ESM Avionics System Engineer

This post is classified A2-A4 on the Coordinated Organisations' salary scale.

Location

ESTEC, Noordwijk, The Netherlands

Description

MPCV-ESM Avionics System Engineer in the MPCV-ESM Engineering Team, MPCV-ESM Team, Development Projects Group, Directorate of Human Spaceflight and Robotic Exploration Programmes.

Duties

As MPCV-ESM Avionics System Engineer, the postholder will be in charge of the MPCV-ESM activities in the fields of avionics, software and power systems. Reporting directly to the MPCV-ESM Engineering Team Leader and within the technical fields described above, the main tasks and responsibilities will include:

- interfacing with NASA in the domains of ESM avionics, software and power;
- supporting the development and maintenance of the MPCV-ESM bilateral technical baseline;
- monitoring and controlling the industrial activities on the establishment of the avionics and power technical baseline and related design, development and verification activities;
- monitoring and controlling the industrial activities on development of equipment embedded firmware and software, MDB (Mission Database) definition and production as well as the development of support documentation for the NASA MPCV-ESM software developments;
- coordinating the required NASA-ESA joint testing activities for avionics, software and power;
- coordinating the MPCV-ESM post-delivery activities and sustaining engineering;
- coordinating the avionics, software and power team, including functional and integrated support;
- supporting the System Engineer in the domains of avionics, software and power in case of CCNs (contract change notices), non-conformances and waivers in the MPCV-ESM Engineering Change Board.

The postholder may also be requested to support, in their area of expertise, activities related to further future developments, in coordination with the related TEC management and experts.

Technical competencies

Multi-disciplinary knowledge of area of responsibility

Knowledge of other technical domains with interfaces to own area of responsibility

Space system development and PA standards

Knowledge of ESA and industrial development, verification and procurement processes

Behavioural competencies

Communication

Results Orientation

Teamwork

Education

Applicants for this post should have a Master's degree or equivalent qualification in physics or engineering

Additional requirements

Candidates should have acquired professional experience in spacecraft development in the domains of avionics, software and/or power. Knowledge of human-rated spaceflight systems and of the Orion ESM programme will be an asset, as well as experience of inter-agency and international cooperation.

Candidates should have good interpersonal and communication skills with the ability to work effectively and cooperatively in a multicultural environment. Good organisational and analytical skills, results orientation, a problem-solving attitude and an interest in innovative technologies are essential to this post.

Other information

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.

The Agency may require applicants to undergo selection tests.

The closing date for applications is 18 December 2019.

If you require support with your application due to a disability, please email 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 and Slovenia.

According to the ESA Convention the recruitment of staff must take into account an adequate distribution of posts among nationals of the ESA Member States. When short-listing for an interview, priority will first be given to internal candidates and secondly to external candidates from under-represented Member States. (<http://esamultimedia.esa.int/docs/careers/NationalityTargets.pdf>)

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.

Recruitment will normally be at the first grade in the band (A2); however, if the candidate selected has little or no experience, the position may be filled at A1 level.