

Job Title: Mission Integration and Flight Operations Support System Engineer

Req ID 9073 - Posted 15/01/2020



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 Mission Integration and Flight Operations Support System Engineer

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

Location
ESTEC, Noordwijk, The Netherlands

Description
Mission Integration and Flight Operations Support System Engineer in Systems Engineering Division, Systems Department, Directorate of Tech, Eng. & Quality, assigned as Integrated Support to the MPCV-ESM Engineering Team, MPCV-ESM Team, Development Projects Group, Directorate of Human & Robotic Exploration.

If successfully recruited to this post, you will report to the MPCV-ESM Engineering Team Leader, under whose delegated authority you will be technically responsible for the following duties.

- Duties**
- Supporting the Engineering Team Leader and the Principal System Engineers in the field of Mission Integration and performance system Engineering;
 - Supporting the assessment of deviations, waivers and non-conformances;
 - Supporting the ESM (European Service Module) verification process;
 - Interfacing with NASA in the domain of ESM Mission Integration (development of ESM operational functions, functional mission analysis, sequencing and utilisation,) and Performance (stressing performance identification, nominal and contingencies design case development assumptions and analyses);
 - Providing technical expertise in the areas of ESM / MPCV integrated Operations and Performance;
 - Interfacing with NASA to prepare ESM Engineering support during the flight operations;
 - Maintaining the ESA Flight operation Support plan;
 - Coordinating the preparation of the MPCV-ESM flight operations engineering support, including training and post-flight activities;
 - Monitoring the industrial consortium in the detailed implementation of the technical activities related to Mission Integration and Performance and Flight Operation Engineering Support;
 - Supporting the Engineering Team Leader and Principal System Engineers in the development and maintenance of the MPCV-ESM bilateral technical baseline;
 - Supporting the establishment of the industrial technical baseline;
 - Liaising with the Principal System Engineers of the ESM units to ensure a coherent and smooth transition of the ESM design from ESM1 to future models;
 - Supporting the ESM Engineering Team Leader and Project Manager by contributing to MPCV ESM Contract Change Boards and Engineering Change Boards;
 - Other duties in your area of competence as may be required by the hierarchical superior in support of the project activities;

- Participating in periodic meetings with the parent division, contributing to the transfer of technical knowledge and lessons learned across the Agency.

Technical competencies

System engineering and understanding of system requirements and interfaces
Space system development and PA standards
ESA Space systems development, verification and review processes and standards
Knowledge of cost estimation, including industrial costs and schedule aspects
Mission analysis

Behavioural competencies

Communication
Results Orientation
Customer Focus
Teamwork

Education

A Master's degree or equivalent qualification in engineering is required.

Additional requirements

A previous experience in the field of GNC of complex space systems is an asset as well as participation in engineering support teams for previous space missions.

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 12 February 2020.

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 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.