

ISS & Gateway Operations Engineer

Job Req ID: 14647

Closing Date: 23 February 2022

Publication: Internal & External

Vacancy Type: Permanent

Date Posted: 02 February 2022

Vacancy in the Directorate of Human and Robotic Exploration Programmes.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. We therefore we welcome applications from all qualified candidates irrespective of gender, sexual orientation, ethnicity, beliefs, age, disability or other characteristics. Applications from women are encouraged.

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

Location

ESTEC, Noordwijk, Netherlands

With a resident assignment to Oberpfaffenhofen, Germany.

Description

International Space Station (ISS) & Gateway Operations Engineer in the ISS Operations Team, LEO Exploration Group, Directorate of Human & Robotic Exploration Programme.

The ISS Operations Team is responsible for managing the ISS operations activities cooperation with the Columbus Flight Control Team and the User Support Operations Centres across Europe and with other ESA and industrial expert teams.

You will report to the ISS Operations Team Leader and will support and implement projects with regard to the evolution and transition of ISS operations into a sustainable and robust set-up to reach 2030 while supporting future operational concepts such as - Gateway.

Duties

- Supporting the management of the day-to-day activities of ISS operations technical matters by representing the ISS Operations Team Leader in the Mission Management Team meetings, Joint Mission Management Team meeting, and various boards and panels;
- Conducting, managing and monitoring operations implementation of new Science Experiment Facilities projects and Columbus Module Subsystem enhancement projects for the sustaining and further utilisation of the ESA elements on the ISS;
- Supporting the operations integration and set-up of new ESA ISS Ground Segment evolution and sustaining projects, such as simulator upgrade activities and Monitor Control Systems enhancements;
- Acting as the Deputy Chair of the ESA ISS Operations Control Board, chairing and conducting Operations Control Board sub-panels and sub-boards as defined in the OCB charter.

Exploration Group (HRE-O) and the Research and Payloads Group (HRE-R) and minimising the impact on utilisation;

- Supporting the management and implementation of the ISS Operations Team (HF OO) managed contracts with Operations Centres and expert industry in terms proposal evaluation, change request definition, and implementation monitoring measuring KPIs and deliverables;
- Supporting the definition and set-up for the ESA Gateway Operations activities and operations for the HLCS, I-HAB, and ERM contributions of ESA;
- Building a system-level knowledge across the entire ISS environment and using that knowledge to advise and guide new projects from development through to operation through active participation in the various ESA, ISS, and Gateway review processes

Technical competencies

System engineering principles, processes and standards

Knowledge and Experience in the following system engineering domains: assembly, integration testing/verification of complex space systems, operations management processes

Experience in mission, spacecraft and/or payload operations

Extensive knowledge of the Columbus system and payload operations

Thorough knowledge of manned mission operations systems and concepts

Multi-disciplinary knowledge of area of responsibility

Experience working with other international space agencies

Behavioural competencies

Result Orientation

Operational Efficiency

Fostering Cooperation

Relationship Management

Continuous Improvement

Forward Thinking

Education

A Master's degree in an engineering discipline is required for this post.

Additional requirements

You shall have acquired several years of experience working in the ISS operational environment and a good understanding of the ISS processes and main stakeholders.

Experience with (ISS) mission, spacecraft and/or payload operations, knowledge of basic ISS operations principles or several years of experience of ISS operations and operations integration will be an asset.

You must demonstrate an ability to gather inputs from several areas, obtain the full picture and propose solutions taking all relevant aspects into account.

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.

At the Agency we value diversity and we welcome people with disabilities. Whenever possible, we seek to accommodate individuals with disabilities by providing the necessary support at the workplace. The Human Resources Department can also provide assistance during the recruitment process. If you would like to discuss this further please contact us 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, Latvia, Lithuania 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 or balanced Member States*. (<https://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.

*Member States, Associate Members or Cooperating States.