

Training Opportunity for Polish Trainees

Reference	Title	Duty Station
PL-2023-HRE-OO	European Crew Operations Support (ECOS) Team Support	EAC

Overview of the mission:

The Directorate of Human and Robotic Exploration is the main ESA entity in charge of supporting and coordinating efforts towards the current and the future endeavours of human spaceflight. The exploration activities are part of the strategic plans in securing a central role for Europe with respect to the global initiatives. The European Exploration Envelope Programme (E3P) is integrating the ESA activities in this field to ensure a single exploration process. The strategy includes three destinations where humans will work with robots to gather new knowledge: Low Earth Orbit (LEO), the Moon, and Mars.

The European Astronaut Centre (EAC) is the European centre of excellence for astronaut training, operations and space medicine. Home to ESA's astronaut corps, it equips Europeans to fly to the International Space Station today, while preparing for an exciting future of space exploration beyond low Earth orbit.

The EAC Crew Operations Support (ECOS) team is responsible for operational preparation and real-time execution support of technology demonstrators in the fields of crew support, medical support and training on the International Space Station.

For further information visit our web site: <http://www.esa.int>

Overview of the field of activity proposed:

As National Trainee you will gain in depth knowledge and support the ECOS team with the operational preparation of technology demonstration activities onboard ISS. This task includes the development of operational products, procedures, telemetry and commanding files and displays. Furthermore, you will deal with the processes and tools for transferring all the payload data from ECOS to the Science Data Server (SDC), with the final goal of supporting the scientific data dissemination.

Finally, you will develop an integrated and dynamic mission preparation checklist which will serve as a repository for all documentation related to a dedicated payload/experiment.

Required education and skills:

- You should have just completed, or be in the final year of your Master' s degree in engineering or IT discipline.
- Good interpersonal and communication skills
- Ability to work in a multi-cultural environment, both independently and as part of a team
- Fluency in English and/or French, the working languages of the Agency