

Training Opportunity for Luxembourgish Trainees

Reference	Title	Duty Station
LU-2019-OPS-ON	Operations of Ground Facilities in support to small satellites	ESOC

Overview of the unit's mission:

As part of the Mission Operations Department, the Ground Facilities Operations Division (OPS-ON) manages, operates and maintains the infrastructure used to support the operations of ESA and external missions. Facilities include Telemetry, Tracking and Command (TT&C) stations of ESA's ground station network (ESTRACK), the Operational Control Centre located at ESOC, and the Mission Operations Technical IT.

The Division also specifies the user requirements for all ground facilities in support of missions entrusted to the Directorate of Operations and validates all related equipment before operational use.

Overview of the field of activity proposed:

The main objective of this activity is to support the preparation and conduction of the ground facilities operations with particular focus on small satellite missions.

Initially the incumbent will be assigned to the team responsible for the operations, maintenance and evolution of the Special Mission Infrastructure Lab Environment (SMILE) facilities, comprising a control room, a 3.7m S- and X-band antenna, one radio amateur antenna, and various ancillary hardware and software systems.

He/she will be asked to review, maintain and evolve procedures, tools and other systems utilized in the operations and promotion of SMILE. He/she shall propose optimization/harmonization where deemed necessary. Furthermore, he/she will be responsible for the daily operations of the relevant facilities in support to ESA and external customers missions, typically in the area of small satellites and cubesats.

The incumbent will be progressively involved in the operations of other ground facilities, including ESA ESTRACK core network comprising 3 deep space stations (located in New Norcia, Cebreros and Malargue), LE/NEO stations (located in Kiruna and Kourou) and LEOP small terminals (located in Malindi and Santa Maria).

Required education:

Applicants should have just completed, or be in their final year of a University course at Masters level in a technical or scientific discipline.

Candidates must be fluent in English or French, the official languages of the Agency