



Crew Support engineer at the European Astronaut Centre in Cologne, Germany

Context:

MEDES (<http://www.medes.fr>), located in Toulouse, is a hybrid organization between space and health, an Economic Group of Interest, which was created in 1989 by the French Space Agency, CNES and Toulouse University Hospitals, its two main members. The other members include other French Universities and Hospitals. The activities focus on space physiology and medicine, clinical research and dual innovations for space and health. In particular, MEDES provides support to space agencies, for human spaceflights, with expertise and operational support for operational space medicine or crew support. As part of these activities, MEDES contributes to an integrated team at the European Astronaut Centre (EAC) in Cologne, Germany.

The selected candidate will be part of this integrated team at EAC.

Location:

ESA-EAC, Cologne, Germany

Description / Duties:

Under the Astronaut Operations' Team Lead, the candidate's first duty will be to support the European Astronauts in the Crew Support team. The primary goal of the Crew Support is to facilitate the daily life of the astronauts. In other words, its purpose is to support the assigned astronauts and their families and to minimize the stress and inconveniences encountered during all mission phases from training to post-flight activities.

The related duties cover:

- coordinate the procurement and delivery of the bonus food items chosen by the astronaut to their final destination (typically Houston, USA)
- facilitate the gathering of the personal items of the astronaut as well as their upload process to the ISS on the astronaut's private allocation
- gather and coordinate all the necessary information for the organisation of the launch campaign with a focus on the immediate family of the astronaut
- accompany and support all the guests of the astronauts (immediate family included)
- coordinate and organise all the private communications between the astronaut and their family
- coordinate with the crew member and with NASA the upload on board of the astronaut's preference of data (i.e: audio, video, software, etc...) prior to and/or during the mission.
- coordinate and support tasks linked with the astronaut and with the on-site organisation at the landing site.
- gather the astronaut's feedback during a dedicated crew support debriefing

- maintain an overview over the budget allocated to the astronaut and their families for family travels.

The selected candidate will also participate in the International Space Station (ISS) operations in close coordination with the rest of the Columbus Flight Control Team either as Eurocom (European Communicator and Medical Ops) or as ECOS (EAC Crew Operations Support).

The EUROCOM team is responsible for all crew communications – both verbal and in written form – pertaining to the execution of ESA activities on-board the ISS, as well as for the health and well-being of ESA crew members.

The related duties cover:

- Represent the crew in the Columbus Flight Control Team (Col FCT)
- Voice communication with the crew on-board the International Space Station
- Act as specialist for crew medical support topics
- Provide Col FCT with background information on ISS medical activities

The ECOS team supports the preparation, integration and execution of different research activities, technology demonstrations and system activities on board the ISS in the area of medical operations, crew support and training.

The related duties cover:

- prepare and execute on the ISS crew-related technology demonstrators (crew support, training, crew health).

Competencies / Requirements:

This post requires strong interpersonal skills, a high standard of oral and written communication skills, the ability to work in close collaboration with international colleagues, due discretion and sensitivity in dealing with confidential information, as well as the ability to work autonomously in a fast-paced environment.

A Masters' degree in engineering is required.

Fluency in English (both written and spoken) is mandatory; knowledge of French, German and/or Russian is an advantage.

Several years' professional experience in the space sector is an asset.

Closing date:

The closing date for applications is September 11th 2020.

Job application:

Applications must be sent by e-mail to: recrutement@medes.fr (cover letter required)