



Systems Engineering Officer



Mission Assurance Team Description:

The Mission Assurance team is responsible for the implementation and review of mission critical procedures and planning. This involves the development of the final mission flight plan, EVA schedule, base design, mission procedures and standard operating procedures (SOP's). Further to this, the team is responsible for the organisation of Asclepios design reviews to ensure the missions progress is on track and all systems are constantly being reviewed. Making sure the mission goals are well defined and initial requirements are set in place are vital to ensuring final mission success.

Systems Engineer Officer Description:

As a Systems engineer officer, will translate mission goals into technical and operational requirements and design and document the technical backbone of the mission. This will involve writing and reviewing system requirements, reviewing existing procedures and requirements from the past missions and developing new operational logistics.

Key information for role:

- **Average hours required per week** - 2-4 hours
- **Tasks and Responsibilities:**
 - Attend regular meetings with the mission assurance team to give and collect updates for the heads.
 - Write and review system requirements for: environmental control and life support systems (ECLSS), power, spacesuits, base layout and MCC communications.
 - Write and review crew requirements: astronaut and medical.
 - Systems development: base design and layout, testing, data management

- Coordination with Asclepios Lab to ensure the stringent adherence of “hands-on” Asclepios projects with requirements.
- **Essential Requirements for Role:**
 - Dedication
 - Communication Skills
 - High interest in space related fields
 - Fluent english speaker
 - Can work in a stressful environment with time-pressing issues
 - Basic understanding of analogue mission procedures and scheduling
 - Desire to learn quickly
- **Desirable traits for role**
 - Expertise in analogue mission procedures, planning and operations.
 - Ability to work under pressure and adapt to real-time mission challenges.
 - Experience working in a student team.
 - Systems engineering experience.

Inclusivity Statement

Don't meet all the requirements? That's okay, one thing all applicants that are chosen show in common is their passion for Asclepios and their passion for the mission. Feel free to apply for any role you think you will enjoy. At Asclepios, we have a very welcoming environment and ensure no one is left behind. We are one big international family!