

# ***Internship Job Description***

**Division** : Real Time Services and System Operations (RSO)

**Supervisor / Mentor** : Thomas Sheasby

**Length of internship** : 1 to 6 months

**Anticipated start date:** *To be agreed with the selected intern*

## **1 PROJECT TITLE**

Ground Station Operations Internship

## **2 DESCRIPTION OF PROJECT**

This is an opportunity for a student to gain experience of gathering requirements technical updates and implementing them in an operational environment. This will include:

- Gathering requirements for the updates required for ground station mimics and procedures
- Implementing and testing the updates
- Deploying them on EUMETSAT's operational systems
- Training controllers on how to use the updates
- Documenting the updates

The intern will work within the Ground Stations and External Interfaces (GSEI) team to learn about the systems being updated to enable him/her to carry out these tasks.

## **3 JUSTIFICATION FOR PLACEMENT**

The ground stations used for the MSG satellites are currently undergoing major changes. EUMETSAT wish to update the mimics and procedures used to monitor and control their ground stations to ensure they are up to date and make them more user friendly.

This internship will be particularly interesting for students who wish to contribute to space system engineering in particular the ground segments focussing on how the ground stations are used to monitor and control European Meteorological satellites.

The intern will bring in novel ideas and merge them with the existing routine space operations to improve the systems and achieve stable and fully tested technology. He/she will be able to help with the technical work and documentation.

#### **4 TEAM WORKING**

The intern will be part of the Real Time System and Operations (RSO) Ground Stations team. His/her tasks are to be applied to the EUMETSAT operational environment, focused on the ground station, but when needed the intern will also participate in larger meetings for the coordination of operations related activities (for the space and ground segment). The intern will be part of a multinational organisation contributing to European and global weather monitoring.

The intern will learn the value of team work and knowledge sharing.

#### **5 ACADEMIC BACKGROUND**

Studying for/ achieved a university degree in a technical / engineering subject.

#### **6 EXPERIENCE/JOB SKILLS**

The following are required:

- a basic technical knowledge of ground stations and ground segments for both Geostationary and Low Earth Orbit Satellites systems.
- familiarity with Satellite Operations and ground stations related technologies.
- good coding skills
- some experience in reading and understanding technical documentation.

Previous experience in ground station work would be an asset.

#### **7 BEHAVIOURAL CRITERIA**

Team Working  
Communication skills  
Learning Orientation

#### **8 LANGUAGE SKILLS**

Ability to work in English. French is relevant but not necessary.