Internship in Real-time services and System Operations Division

Internship title: Creation of an Operations Dataflow Diagram

In support of 24/7 operational systems and services, we are looking for a motivated intern to work on the creation of an Operations Dataflow Diagram using an online tool, potentially using a Model-Based Systems Engineering (MBSE) solution such as Enterprise Architect.

The intern will investigate tools and methodologies in order to create a new Operations Dataflow Diagram, which is a visual representation that shows how data and information flow between different facilities/systems involved in a satellite mission. For instance, showing the path that satellite data follows between Ground Stations, Mission Control Centre, Data Processing Centre and End-Users. These diagrams help the teams understand the relationships and dependencies between the different parts of the system, which is crucial for bringing clarity to the missions, identifying inefficiencies and managing future changes.

Duties

- Analysing the legacy Operations Dataflow Diagram designed in Microsoft Visio and collecting information about existing facilities and interfaces;
- Researching and evaluating MBSE solutions, with a focus on Enterprise Architect, to determine the best fit for our needs;
- Learning how to use the chosen MBSE solution or proposing viable alternatives if needed;
- Creating an Operations Dataflow Diagram using the selected online tool (starting with Geostationary missions and potentially including more);
- Collaborating with different departments to gather requirements and ensure the new system meets all operational needs.

LOCATION

Darmstadt, Germany

QUALIFICATIONS

The internships are open to bachelor and master students with mandatory internship requirements in relevant disciplines such as computing, engineering, or a related technical discipline.

LANGUAGES

The official languages of EUMETSAT are English and French. It is necessary to be able to work effectively in English.

DEADLINE

3 November 2025

Skills and Experience

- Have the ability to work effectively in English;
- Be computer literate;
- Be intrinsically motivated and curious about the internship subject;
- Be able to work independently and collaboratively;
- Have the ability to take the initiative in researching ideas;
- Have the ability to collect, collate, conceptualize and present information clearly.

Additional specific requirements:

- Basic understanding of system operations and data flow concepts;
- Basic knowledge of data flow diagrams and system monitoring concepts;
- Familiarity with diagramming tools like Microsoft Visio;
- Familiarity with Model-Based Systems Engineering (MBSE) tools.

Employment Conditions

Length of internship: **3 months**
Anticipated start date: **2026**

The internship will require a non-disclosure agreement and potentially a basic background check for the intern, due to the sensitivity of the provided information.

No salary is paid to interns who are still in studies, however a daily allowance and contribution to travel / accommodation costs may be provided.

As of 1 January 2026, interns may be granted a daily allowance of EUR 25 per day, relocation cost reimbursement of up to EUR 400, and accommodation cost reimbursement of up to EUR 1000 per month.

Interns are responsible for providing their own health and accident insurance and for finding their own accommodation in Darmstadt.

Consideration may also be given if the internship is not a mandatory part of curriculum, for a maximum duration of three months.

EUMETSAT is committed to providing an equal opportunities work environment for men and women.
Please note that only nationals of EUMETSAT Member States may apply. The EUMETSAT Convention requires that Staff shall be recruited on the basis of their qualifications, account being taken of the international character of EUMETSAT.

About EUMETSAT

EUMETSAT is Europe’s meteorological satellite agency. Its role is to establish and operate meteorological satellites to monitor the weather and climate from space - 24 hours a day, 365 days a year. This information is supplied to the National Meteorological Services of the organisation's Member States in Europe, as well as other users worldwide.

EUMETSAT also operates several Copernicus missions on behalf of the European Union and provide data services to the Copernicus marine and atmospheric services and their users.

As an intergovernmental European Organisation, EUMETSAT has 30 Member States (Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, The Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.)

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