



EUROPEAN AVIATION SAFETY AGENCY

The European Aviation Safety Agency offers traineeships for periods of up to six months. Our traineeships present an opportunity to receive professional work experience in a distinctly multinational and intellectually stimulating environment, while contributing to the Agency's mission of promoting the highest common standards of safety and environmental protection in civil aviation in Europe and worldwide.

Traineeship in the Experts Department (Certification) (F/M)

REF.: EASA/TRN/2011/C001

ORGANISATIONAL LOCATION

EASA offers a traineeship in its **Certification Directorate, Experts Department – Avionics Systems Section**. The Certification Directorate contributes to a safe and environmentally compatible aviation system in Europe by performing the following core activities: Product airworthiness, Continuing airworthiness oversight, Environmental certification, Flight standards certification (operational evaluations), and Air Traffic Management and Air Navigation Systems (ATM/ANS) activities.

The Experts Department within the Certification Directorate assists Project Certification Managers and certification teams in dealing with the day-to-day regulatory activities for projects being conducted by the Agency.

YOUR TASKS

Under the direct supervision of the traineeship advisor the selected candidate will:

- Assist the section in evaluation of certification of Flight Management Systems (FMS), which are using Micro-Electro-Mechanical (MEM)-based Attitude Heading Reference Systems (AHRS), as one of the inputs for navigation;
- Review Flight Management Systems with respect to the expected accuracy, based on the possible use of Kalman filtering to output improved motion data directly from the AHRS;
Review the impact of environmental conditions on the accuracy of the Flight Management Systems' output (e.g. temperature compensation, sensor calibration parameters).

YOUR PROFILE

Essential requirements

- You are graduate of a higher education course (at least three years of university education) and you will have obtained a full degree by the start of the traineeship period;
OR
- You are undergraduate (Student) with at least two years of university studies completed and aim at doing a voluntary or compulsory traineeship as part of your studies, for access to a profession or to carry out research for your final thesis;
- You are a national of a Member State of the European Union or national of Norway, Iceland, Liechtenstein or Switzerland;
- You have a very good knowledge of English and at least one other Community language;
- You have an academic background in aeronautical or electrical engineering;
- You have the ability to write clear and concise reports;
- You have the ability to work proactively and with minimum supervision;
- You have good communication skills.

Advantageous requirements

- You have interest in and knowledge of the mission and tasks of the Agency;
- You have specific knowledge of aeronautical navigation systems;
- You are familiar with the procedural aspects of the installation of navigation systems on aircrafts;
- You are a motivated, dynamic personality with strong aptitude for team work.

IMPORTANT DATES

Application deadline: 03/11/2011 at 12:00 (Cologne time)

Preferred start date: 01/02/2012

Duration of traineeship: 6 months for Graduate trainees
3 to maximum 6 months for Undergraduate trainees

TRAINING GRANT

Monthly grant for Graduate trainees: 1.087,40 €

Monthly grant for Undergraduate trainees: 869,92 €¹

In addition we pay at the end of the traineeship a travel allowance for the travel from your place of residence to Cologne and back.

HOW TO APPLY?

Please complete the [application form](#) and send it together with scanned copies giving evidence of all the information provided on your application form, i.e. studies, professional experience and linguistic knowledge to the following email address: TRNC001@easa.europa.eu. For the submission of your application please follow the instructions at the bottom of the application form.

Candidates applying for the Undergraduate programme must also submit a matriculation certificate provided by the University and, if applicable, official university documentation confirming the obligation of the applicant to complete a traineeship as part of his/her studies or for access to a profession or the requirements to carry out research for a university level thesis.

IMPORTANT: Before sending your application please consult for more details our [FAQs](#) and [traineeship rules](#).

¹ Note that the amounts of the training grant are based on the current AD 5 step 1 basic salary which is due to be revised in December 2011. As described in the applicable [traineeship rules](#) trainees who benefit from any grant from another source or another subsistence allowance shall only be admitted to a financial contribution from EASA, if the sum received is less than the amount of the traineeship grant. In that case, they shall receive the difference.