



EUROPEAN CENTRAL BANK

EUROSYSTEM

## Traineeship on quality control in the Directorate Banknotes

Reference 2020-311-TRA

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<b>Type of contract</b>	Traineeship
<b>Who can apply</b>	EU nationals eligible for our traineeship programme ( <a href="https://www.ecb.europa.eu/careers/what-we-offer/traineeship/html/index.en.html">https://www.ecb.europa.eu/careers/what-we-offer/traineeship/html/index.en.html</a> )
<b>Salary</b>	The trainee grant is €1,070 per month plus an accommodation allowance.
<b>Working time</b>	Full-time
<b>Place of work</b>	Frankfurt am Main, Germany
<b>Closing date for applications</b>	27 July 2020

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### Your team

You will be part of the Production Section in the Directorate Banknotes. Our Directorate's mission is to ensure the integrity of euro banknotes as an efficient means of payment and protect them against counterfeiting. In particular, the Directorate coordinates all banknote development and production activities, including those related to quality management, within the Eurosystem and with third parties.

The Production Section is responsible for coordinating and monitoring euro banknote production, including the accreditation of manufacturers; assuring compliance with health and safety and environmental, security, and quality standards; the approval of production references in printing works and paper mills; and providing technical support in the development of new banknote series.

The ECB is an inclusive employer and we strive to reflect the diversity of the population we serve. We encourage you to apply, irrespective of your gender, gender identity, ethnicity, sexual orientation, age, religion, disability or other characteristics.

### Your role

As a trainee in the Production Section you will:

- help to establish testing procedures for banknote parameters and quality control tools throughout banknote production;
- help to assess measurement tools and procedures for the control of specific banknote parameters (in particular visual and machine-readable properties);
- support statistical data analysis of production process capability in order to develop and fine-tune specifications and quality control requirements for banknote production;

- organise inter-laboratory exercises for assessing quality control tools and preparing outcome reports;
- contribute to the continuous development of banknote quality control systems;
- support other activities related to banknote production.

This position offers you excellent opportunities to work closely with quality and production experts on production tasks, including quality assurance. You will be part of a multicultural team that strives for continuous innovation to make a positive impact on the lives of European citizens.

### **Qualifications, experience and skills**

Essential:

- a bachelor's degree or higher in metrology, printing, mechanical or chemical engineering, materials science, chemistry, physics, graphic arts with a focus on quality management, or another relevant field (<https://www.ecb.europa.eu/careers/before-you-apply/html/index.en.html>);
- an advanced (C1) command of English and an intermediate (B1) command of at least one other official language of the EU, according to the Common European Framework of Reference for Languages, <https://www.coe.int/en/web/common-european-framework-reference-languages/table-1-cefr-3.3-common-reference-levels-global-scale>.

Desired:

- a master's degree or equivalent in metrology, printing, mechanical or chemical engineering, materials science, chemistry, physics, graphic arts with a focus on quality management, or another relevant field;
- knowledge of ink and printing technologies and paper-making processes;
- good understanding of statistical methods for quality control and measurement system analysis;
- experience with standard quality analysis techniques, e.g. failure modes and effects analysis (FMEA) or root cause analysis;
- knowledge of colorimetry and colour management technologies and the consistent implementation of colour parameters in the printing workflow;
- familiarity with project management principles;
- experience in conducting data treatment and assessment.

You are curious and eager to learn, and want to further develop your ability to analyse complex information. You are keen to collaborate with others, pursue team goals and learn from other people's

diverse perspectives. You strive to know and anticipate stakeholder needs, and will signal any need for change and propose alternative solutions.

### **Further Information**

For reasons of confidentiality, work carried out during the traineeship may not be used in any publication, thesis, external research, etc. without specific prior written permission.

Traineeship of between 6 and 12 months in total.

The recruitment process for this position will include a remote interview via Webex or telephone.

### **Application and selection process**

For further information on how to join us,

**<http://www.ecb.europa.eu/careers/before-you-apply/html/index.en.html>**.