

1. TITLE OF THE CERTIFICATE (DE) (1)**Abschlussprüfung im staatlich anerkannten Ausbildungsberuf
Elektroniker/Elektronikerin für Gebäude- und Infrastruktursysteme**

(1) in original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)(1)**Final examination in the state-recognized training occupation
Electronics technician for building and infrastructure systems**

(1) This translation has no legal status.

3. PROFILE OF SKILLS AND COMPETENCES

- Analyse user requirements and recognise potential areas of risk
- Design changes of facility and use for technical systems (electricity and communications systems and supply systems)
- Agree changes with users and advise users
- Calculate costs, award contracts and sign off third-party services
- Install building and infrastructure systems
- Carry out or arrange for the carrying out of modifications
- Configure the control devices of technical systems, test the functioning of systems and safety equipment
- Hand over systems and instruct users in the operation of technical systems
- Inspect and maintain systems and equipment in accordance with manufacturer's or operating standards and contribute to increased plant availability and efficiency
- Accept error messages, make error diagnoses, evaluate the potential risk of disturbances and instigate immediate measures
- Operate building and infrastructure systems in accordance with regulations, operator standards and user requirements
- Monitor technical systems in buildings with the help of automation and control systems
- Optimise the operation of technical building systems
- Carry out systematic searches for faults, localise faults, carry out the repair of technical systems or arrange for the repair of such systems by the appropriate trades
- Monitor compliance with safety regulations, in particular regarding the provision of services by third parties and users, and instigate measures to ensure safety in buildings
- Work with English language documentation and communicate in English
- Under the provisions of the Prevention of Accidents Regulations, electronics technicians for building and infrastructure systems are deemed to be skilled electrical and electronic engineering workers

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE (1)

Electronics technicians for building and infrastructure systems work for companies operating on the property market such as in the fields of facility management or caretaking services. They also find employment in technical building equipment companies or in companies which install lighting and signalling plants for road infrastructure or railways. They may also work in specialist planning offices in the field of technical building services or for manufacturers of wind energy plants. Hospitals and airport operations offer further possible fields of deployment.

(1) if applicable

(*) Explanatory notes

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information on transparency is available at: www.europass.cedefop.eu.int/transparency

5. OFFICIAL BASIS OF THE CERTIFICATE

<p>Name and status of the body awarding the certificate</p> <p>Chamber of Industry and Commerce</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>Chamber of Industry and Commerce</p>
<p>Level of the certificate (national or international)</p> <p>ISCED 3B</p>	<p>Grading scale / Pass requirements</p> <p>100-92 points = 1 = excellent 91 - 81 points = 2 = good 80 - 67 points = 3 = average 66 - 50 points = 4 = pass 49 - 30 points = 5 = poor 29 - 0 points = 6 = fail</p> <p>A total of at least 50 grade points are required to pass the examination.</p>
<p>Access to next level of education / training</p> <p>Process manager in electrics/electronics, state certified technician specialised in electro technology, state certified technician</p>	<p>International agreements</p> <p>In the field of vocational training, joint declarations on the comparability of qualifications obtained in the respective vocational training systems have been signed on the basis of bilateral agreements concluded between Germany and France and between Germany and Austria.</p>
<p>Legal basis</p> <p>Ordinance on Initial Vocational Education and Training in the Occupation of Electronics technician for building and infrastructure systems of 07/24/2007 (Federal Law Gazette, Part I, p 1678) Resolution of the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany, KMK, of 16.05.2003), (Federal Gazette, No 16a of 24.01.2004)</p>	

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

<p>Final examination administered by the competent body:</p> <ol style="list-style-type: none"> 1. after completion of dual training in a company and at part-time vocational school (normal procedure) 2. after retraining in a recognized training occupation 3. as an external examination for working people without formal vocational qualifications or persons who have been trained at full-time vocational schools or other vocational training institutions
<p>Additional information</p> <p>Entry requirements: Entry requirements are not governed by legislation; as a rule, young people are admitted after completing (nine or ten years of) general education.</p> <p>Duration of training: 3,5 years.</p> <p>Training in the "dual system": Teaching of the knowledge, skills and competences needed for an occupation is based on the typical requirements of work and business processes and prepares the trainees for a specific job. The training is provided in a company and at part-time vocational school: In the company, the trainees acquire practical skills in a real working environment. On one or two days per week, the trainees attend part-time vocational school, where they are taught general and vocational knowledge related to their training occupation.</p> <p>More information is available at: www.berufenet.arbeitsagentur.de</p> <p>National Europass Centre www.europass-info.de</p>