

1. TITLE OF THE CERTIFICATE (DE) (1)

Abschlussprüfung im staatlich anerkannten Ausbildungsberuf Technischer Systemplaner/Technische Systemplanerin - Fachrichtung Elektrotechnische Systeme

(1) in original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)(1)

Final examination in the state-recognized training occupation Technical system planner – specialising in electro technical systems

(1) This translation has no legal status.

3. PROFILE OF SKILLS AND COMPETENCES

- Prepare documentation for the manufacture, installation and operation of technical building and plant systems and electrical installations
- Plan, draw up and apply technical documents
- Prepare technical drawings for electro technical systems
- Differentiate between auxiliary materials and accessories and use branch-specific materials standards
- Evaluate production, assembly and joining procedures, in particular with regard to the electro technical fitting of buildings and plants
- Carry out specialist calculations
- Work constructively with the assistance of CAD programmes
- Plan the installation process and organise stages of installation
- Accord due consideration to sustainable energy and resource planning
- Coordinate planning processes taking account of commercial and quality assurance aspects
- Provide assistance for customer information, guidance and support
- Use information and communication technologies according due consideration to data security
- Work in a team, process and project oriented manner using methods for the planning, implementation and monitoring of projects

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

Technical system planners specialising in electro technical systems work for engineering companies and planning offices.

(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

Name and status of the body awarding the certificate Chamber of Industry and Commerce	Name and status of the national/regional authority providing accreditation/recognition of the certificate Chamber of Industry and Commerce
Level of the certificate (national or international) ISCED 3B	Grading scale / Pass requirements 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 A total of at least 50 grade points are required to pass the examination.
Access to next level of education / training Certified constructor, state certified technician	International agreements 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.
Legal basis Ordinance on Initial Vocational Education and Training in the Occupation of Technical system planner – specialising in electro technical systems of 06/21/2011 (Federal Law Gazette, Part I, p 1215)	

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Final examination administered by the competent body: <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
Additional information 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. Duration of training: 3,5 years. 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. More information is available at: www.berufenet.arbeitsagentur.de National Europass Centre www.europass-info.de