

1. TITLE OF THE CERTIFICATE (DE)

**Zeugnis über die Prüfung zum anerkannten Fortbildungsberuf
Geprüfter Konstrukteur/Geprüfte Konstrukteurin - Fachrichtung Maschinen- und
Anlagentechnik/Heizungs-, Klima- und Sanitärtechnik/Stahl- und Metallbautechnik/
Elektrotechnik/Holztechnik**

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

**Certificate on completion of the recognized further training examination for
Certified construction engineer specializing in machine and plant engineering/
sanitary, heating and air conditioning systems/ steel and metal construction/
electrical engineering/ wood engineering**

This translation has no legal status.

3. PROFILE OF SKILLS AND COMPETENCES

- Carry out independent construction work and participate in technical problem solving and in developing plans and designs, taking account of technical, economic and ecological aspects
- Use computer-aided construction tools in the main construction phases
- Agree and provide information and material flow data as part of computer integration

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

Certified construction engineers work in the electrical, metalworking, car manufacturing, medical engineering, woodworking and furniture making or plastics processing sectors or in engineering companies specializing in technical planning. They develop construction-related solutions and designs for industrial products.

(*) 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.cedefop.eu.int/transparency

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5. OFFICIAL BASIS OF THE CERTIFICATE

<p>Name and status of the body awarding the certificate Chamber of Industry and Commerce (<i>Industrie- und Handelskammer, IHK</i>)</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate Chamber of Industry and Commerce</p>
<p>Level of the certificate (national or international) ISCED 2011 Level 5 These qualifications are referenced to level 5 of both the German and the European Qualifications Framework (DQR, EQF); see www.dqr.de/content/2316.php.</p>	<p>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 The candidate passed all examinations required for the completion of further training.</p>
<p>Access to next level of education and training The further training examination gives access to the next level of qualifications</p> <ul style="list-style-type: none"> • Certified industrial supervisor (<i>Geprüfter Industriemeister/Geprüfte Industriemeisterin</i>) • Certified initial and continuing training specialist (<i>Geprüfter Aus- und Weiterbildungspädagoge/Geprüfte Aus- und Weiterbildungspädagogin</i>) <p>as well as access to advanced programmes in higher education.</p>	<p>International agreements</p>
<p>Legal basis Regulations governing the recognized further training examination for certified construction engineer specializing in machine and plant engineering/ sanitary, heating and air conditioning systems/ steel and metal construction/ electrical engineering/ wood engineering of 26 May 1994 (BGBl. I p. 1151)</p>	

6. OFFICIALLY RECOGNIZED WAYS OF ACQUIRING THE CERTIFICATE

<p>The certificate is acquired by passing the examination administered by the body mentioned in section 5 above. Before sitting the examination, candidates must furnish proof of</p> <ol style="list-style-type: none"> 1. Successful completion of vocational training as technical drafter or for a recognized occupation in the field of metalworking, woodworking or electrical engineering, followed by at least three years of relevant practical work or 2. At least seven years of practical work in the construction sector or in a metalworking, woodworking or electrical engineering occupation or 3. Relevant skills and competences.
<p>Additional information The skills and competences of which proof is to be furnished in the further training examination are usually acquired during many years of practical work and within the framework of education measures. Courses are offered in preparation for the examination; their duration and content are geared to the different specialist and managerial tasks. Translations of the certificate can be obtained from the body mentioned in section 5 above.</p>

()Note**

Simplified grading scale; for official grading scale see Sixth Ordinance Amending Further Training Examination Regulations of 9 December 2019 (Federal Law Gazette Part I p. 2153)