



1. TITLE OF THE CERTIFICATE (DE)

**Zeugnis über die Meisterprüfung im
Kälteanlagenbauer-Handwerk (*Bachelor Professional im Kälteanlagenbauer-Handwerk*)**

2. TRANSLATED TITEL OF THE CERTIFICATE (EN)

**Certificate for the master craftsman's examination in the
Refrigeration system installer trade (*Bachelor Professional in the refrigeration system
installer trade*)**

This translation has no legal status.

3. PROFILE OF SKILLS AND COMPETENCES

Master craftsmen/mistresses in refrigeration system installer trade have the professional, methodological, social and personal skills to manage and organise a refrigeration system installer company. In consideration of the customer requirements you can:

- determine order-related customer requirements and customer wishes, advise customers, offer services, conduct order negotiations and determine order targets, calculate services and prepare offers, conclude contracts,
- perform tasks of technical, commercial and human resources management using information and communication systems, in particular taking into account company organisation, company training and further training, quality management, occupational health and safety law, data protection and environmental protection,
- develop a range of services and offer services, in particular:
 - take into account thermodynamic processes for the refrigeration cycle, maintenance requirements, environmental protection and energy and resource efficiency, legal and technical aspects,
 - consider types and properties of materials and auxiliary materials to be worked and processed,
 - prepare plans, sketches and drawings, also using computer-aided systems,
- provide services, in particular:
 - design refrigeration systems, air-conditioning units and refrigerant-carrying parts of air-conditioning systems and heat pumps and carry out technical calculations,
 - develop electrotechnical and electronic circuits for refrigeration systems and document the developments, install system components for measurement, control and regulation technology,
 - master connection techniques for fasteners, connectors and anchors,
 - install system components of the measurement, control and regulation technology,
 - perform functional and safety tests,
- checking, documenting, handing over and invoicing services, in particular:
 - recover refrigeration components as well as operating and auxiliary materials and dispose of them in an environmentally sound manner,
 - perform quality controls, analyse and eliminate faults, defects and malfunctions, evaluate and document results,
 - perform order-related post-calculation.

In doing so, you make commercial, human resources and legally justified decisions, implement them and justify them. This includes in particular:

- plan, control and monitor work and business processes in a responsible position from an entrepreneurial perspective as well as ensure quality and sustainability,
- lead employees, enable further training and implement personnel development measures,
- qualify trainees in their craft in consideration of pedagogical and legal-organisational requirements.

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

Master craftsmen/mistresses in the refrigeration system installer trade independently manage companies or take on management tasks in companies and business premises of the refrigeration system installer trade. In craft or industrial companies, they take on in addition to providing services one or more of the following activities:

- commercial and business management,
- technical management,
- organisation of vocational training and human resources development

(*) 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</p> <p>Chamber of Crafts and Trades</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>Chamber of Crafts and Trades</p>
<p>Level of the certificate (national or international)</p> <p>Second level of training: Bachelor Professional According to § 42a para.1 No 2 HwO This qualification is assigned to the European and German Qualifications Framework (EQF, DQR) Level 6; compare announcement of 1 August 2013 (BAnz AT 20.11.2013 B2).</p> <p>ISCED 65</p>	<p>Grading scale / Pass requirements</p> <p>100-92 points = 1 = excellent under 92 - 81 points = 2 = good under 81 - 67 points = 3 = average under 67 - 50 points = 4 = pass under 50 - 30 points = 5 = poor under 30 - 0 points = 6 = fail</p> <p>All parts of the examination were passed (§ 21 para. 2 MPVerfVO).</p>
<p>Access to the next level of education / training</p> <p>The advanced training qualification opens access to the next qualification level</p> <ul style="list-style-type: none"> • Certified business economist in accordance with the German Crafts Code • Certified vocational educator <p>as well as access to university education programmes.</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>According to § 45 (BGBl. I p. 3074; 2006 I p. 2095):</p> <ul style="list-style-type: none"> • Regulation on the Master Craftsman Job Profile and on the Examination Requirements in Part I and II of the Master Craftsman Examination in the refrigeration system installer Trade, last modification 17.11.2011 (BGBl. I. p. 2234) as well as • Regulation on the Master Craftsman Examination in Part III and IV in Craft Trades and Trades Similar to Craft Trades (AMVO) of 26 October 2011 (BGBl. I p. 2149), and <p>Regulation on the Admission and General Examination Procedure for the Master Craftsman Examination in Craft Trades and Trades Similar to Craft Trades (MPVerfVO) of 17 December 2001 (BGBl. I p. 4154), modified by article 1 of the regulation of 26 October 2011 (BGBl. I p. 2145), last modified by article 106 of the law of 29 March 2017 (BGBl. I p. 626).</p>	

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

The advanced training qualification is obtained by passing an examination before the under 5 named body. Admission to the examination is granted to those who provides

1. a successfully passed journeyman's examination or
2. a final examination in a recognised vocational training occupation or
3. a determination of equivalence in accordance with § 40a of the HwO.

In addition, further routes to examination admission are regulated in §49 HwO.

Additional information

All data refer to the status 11 2021

The acquisition of the professional competence to be demonstrated in the further training examination usually takes place within the framework of vocational training measures. Graduates regularly have several years of professional experience.