

**1. TITLE OF THE CERTIFICATE (DE) <sup>(1)</sup>**

**Lehrabschlussprüfungszeugnis Installations- und Gebäudetechnik –  
Heizungstechnik**

<sup>(1)</sup> in original language

**2. TRANSLATED TITLE OF THE CERTIFICATE (EN) <sup>(2)</sup>**

**Certificate of Apprenticeship “Installations and Building Technology – Heating  
Technology” (f/m)**

<sup>(2)</sup> This translation has no legal status.

**3. PROFILE OF SKILLS AND COMPETENCES**

Basic and main module:

- installation of pipes and pipe joints from different materials including pipe protection and pipe insulation
- implementation of function tests, pressure and leak testing, and measurement of media and pressures
- assembly, mounting and testing of heat generators and heat consumers
- maintenance and servicing of heat generators and heat consumers
- searching and eliminating malfunctions and defects in heat generators and heat consumers
- assembly, mounting, testing, maintenance and servicing of regulating devices, measurement and safety installations and equipment
- provision of advisory services to customers on basic technical issues
- appropriate written and oral command of language and mode of expression as well as use of job-related foreign language

Training in one of the following special modules can be attended in addition to the basic and main module, with the aim of acquiring more in-depth know-how and specialisation.

Special module "Ecoenergy Technology":

- assembly, mounting and testing of alternative energy systems (e.g. solar panels, heat pumps, pellets-, woodchips- and biomass systems)
- maintenance and servicing of alternative energy systems (e.g. solar panels, heat pumps, pellets-, woodchips- and biomass systems)
- issuing of test and maintenance reports for alternative energy systems
- provision of advisory services to customers about the fields of application as well as advantages and disadvantages of alternative energy systems
- planning, cost calculation, implementation, documentation and settling of accounts regarding alternative energy systems

Special module "Control Systems and Feedback Control Technology":

- assembly, mounting, testing, maintenance and servicing of electrical and electronic equipment from the field of gas-, sanitary-, heating- and ventilation technology
- implementation of maintenance and servicing tasks on control and feedback control equipment from the field of gas-, sanitary-, heating- and ventilation technology
- provision of support for utility supply lines and utilities (building utility control, facility management)
- provision of advisory services to customers about the use of electrical and electronic equipment from the field of gas-, sanitary-, heating- and ventilation technology
- planning, cost calculation, implementation, documentation and settling of accounts regarding control and feedback control equipment from the field of gas-, sanitary-, heating- and ventilation technology

Special module "Technical Building Installations Planning":

- preparation of plans and parts lists by using computer-aided drawing programmes
- preparation of technical documents to be submitted for application with public authorities and of technical descriptions
- planning, cost calculation, implementation, documentation and settling of accounts regarding equipment and installations from the field of gas-, sanitary-, heating- and ventilation technology

#### 4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE <sup>(3)</sup>

**Range of occupations:**

Employment in particular in small and medium-sized enterprises of the installations and building technology trade

**Pursuit of regulated professions on a self-employed basis:**

Qualifications pursuant to the 1994 *Gewerbeordnung* (Crafts, Trade, Service and Industry Act): The crafts, services and trades regulated on the basis of the 2002 Amendment to the *Gewerbeordnung* are subject to the provisions of the *Gewerbeordnung* on the furnishing of certificates of competency as contained in the respective regulations. Final apprenticeship examinations completed successfully replace, in particular, those parts of the master craftsperson examination which relate to subject-specific skills and competences in the various crafts and trades.

<sup>(3)</sup> if applicable

**(\*) Explanatory note**

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 2001/614/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: <http://europass.cedefop.eu> or [www.europass.at](http://www.europass.at)

#### 5. OFFICIAL BASIS OF THE CERTIFICATE

<p><b>Name and status of the body awarding the certificate</b></p> <p><i>Lehrlingsstelle der Wirtschaftskammer</i> (Apprenticeship Office of the Economic Chamber; for the address, see certificate)</p>	<p><b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b></p> <p>Bundesministerium für Digitalisierung und Wirtschaftsstandort (Federal Ministry of Digital and Economic Affairs)</p>
<p><b>Level of the certificate (national or international)</b></p> <p>EQF/NQF 4 ISCED 35</p>	<p><b>Grading scale / Pass requirements</b></p> <p>Overall performance:</p> <p>Pass with Distinction Good Pass Pass Fail</p>
<p><b>Access to next level of education/training</b></p> <p>Access to the Berufsreifeprüfung (i.e. certificate providing university access for skilled workers) or a technical and vocational college for people in employment. Access to courses at a Fachhochschule (i.e. university level study programme of at least three years' duration with vocational-technical orientation); additional examinations must be taken if the educational objective of the respective course requires it.</p>	<p><b>International agreements</b></p> <p>International agreements on the mutual recognition of apprenticeship trades have been concluded between Germany, Hungary, the South Tyrol and Austria. More information on this topic may be obtained at the Austrian Federal Ministry of Digital and Economic Affairs.</p>
<p><b>Legal basis</b></p> <ol style="list-style-type: none"> <li>1. Training Regulation and Examination Regulation for Installations and Building Technology BGBl. II (Federal Law Gazette) No. 63/08 (enterprise-based training)</li> <li>2. Curriculum framework (education at the vocational school for apprentices)</li> <li>3. The present apprenticeship trade replaces the apprenticeship trade Plumbing and Air-conditioning Technician (Training and Examination Regulation BGBl. II [Federal Law Gazette] No. 269/97, last amended by BGBl. II No. 274/05) which expired as of 30 June 2008.</li> <li>4. The apprenticeship "Installations and Building Technology" has been set up as a modular apprenticeship. Following the basic and main module, there are two optional training variants: a special module or another main module. Apprentices can select between the following special modules: Ecoenergy Technology, Control Systems and Feedback Control Technology, and Technical Building Installations Planning. Apprentices can select between the following additional main modules: Gas and Sanitary Technology and Ventilation Technology. Information about the main and special modules is provided in the Certificate of Apprenticeship.</li> </ol>	

## 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

1. Training in the framework of the given Training Regulation for Installations and Building Technology and of the curriculum of the vocational school for apprentices. Admission to the final apprenticeship examination upon completion of the apprenticeship period specified for the apprenticeship trade concerned. The final apprenticeship examination aims to establish whether the apprentice has acquired the skills and competences required for the respective apprenticeship trade and is able to carry out the activities particular to the learned trade herself/himself in an appropriate manner.
2. Admission to the final apprenticeship examination in accordance with Article 23 (5) of the Berufsausbildungsgesetz (Vocational Training Act). An applicant for an examination is entitled to sit the final apprenticeship examination without completing a formal apprenticeship training if she/he has reached 18 years of age and is able to prove acquisition of the required skills and competences by means of a relevant practical or an on-the-job training activity of appropriate length, by attending relevant courses etc.

### **Additional information:**

**Entry requirements:** successful completion of 9 years of compulsory schooling

**Duration of training:** Basic module and main module: 3 years; basic module, main module and special module/additional main module: 4 years

**Enterprise-based training:** Enterprise-based training comprises  $\frac{4}{5}$  of the entire duration of the training and focuses on the provision of job-specific skills and competences according to Article 3 of the Training Regulation, BGBl. II (Federal Law Gazette) No. 63/08, enabling the apprentice to exercise qualified activities as defined by the profile of skills and competences specified above.

**Education at vocational school:** School-based education comprises  $\frac{1}{5}$  of the entire duration of the training. The vocational school for apprentices has the tasks of imparting to apprentices the basic theoretical knowledge, of supplementing their enterprise-based training and of widening their general education in the framework of subject-oriented part-time instruction.

**More information (including a description of the national qualifications system) available at:**

[www.certificate.at](http://www.certificate.at) or [www.zeugnisinfo.at](http://www.zeugnisinfo.at)

**National reference point and National Europass center:** [info@zeugnisinfo.at](mailto:info@zeugnisinfo.at)