



## 1. TITLE OF THE CERTIFICATE (HU)

54-582-01 Épületgépész technikus

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

HVAC technician

(THIS TRANSLATION HAS NO LEGAL STATUS)

## 3. PROFILE OF SKILLS AND COMPETENCES

**A typical holder of the certificate is able to:**

- process and revise plans as per building trades, identify systems and system elements;
- reconcile the suggestions and comments made on the project, complete technical documentation;
- define and perform project-related organizational tasks;
- prepare tender documentation, calculate the offered price, draw up draft services contract;
- develop the conditions for project implementation at the workplace and prepare a detailed time schedule;
- suggest sources of supply and services by sub-contractors;
- hand over and take over the construction site, direct and supervise (technically) the implementation;
- check the qualifications of skilled workers, provide practical demonstration and training;
- manage implementation documents and site diary, control implementation as planned and finishing by building trades;
- ensure the necessary conditions for putting into operation and adjustment, coordinate putting into operation and adjustment activities;
- perform test run, organize training for the operator;
- accept and document sub-contractors' services, compile delivery-acceptance documentation;
- cooperate with the building control authority and other competent authorities by submitting and accepting the required documents and organizing official site inspections;
- perform delivery and acceptance, close project;
- design and manage operation and maintenance, plan and schedule diagnostic tests and official measurement.

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

3116 Mechanical engineering technician

3213 Technical manager and supervisor in the construction industry

### (\*) Explanatory notes:

This document is designed to provide additional information about the specified certificate and does not serve as a legal certificate of vocational qualification. The format of the description is based on the following documents:

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: <http://europass.cedefop.europa.eu/>

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## 5. OFFICIAL BASIS OF THE CERTIFICATE

<p><b>Name and status of the institute issuing the certificate</b></p>	<p><b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b></p> <p>Ministry for National Economy</p>																
<p><b>Level of the certificate (national or international)</b></p> <p><b>Level of vocational qualification according to the National Qualification Register:</b> 54 advanced vocational qualifications, which require the completion of the secondary school leaving exam and may be obtained primarily in formal education</p> <p><b>ISCED2011 code:</b> 4</p> <p><b>NQF level:</b></p> <p><b>EQF level:</b></p>	<p><b>Grading scale / Pass requirements</b></p> <p>Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail</p>																
<p><b>Certificate number: PT K</b></p> <p>Serial number: 123456</p> <p><b>Certificate issue date: 2021.07.21</b></p>	<p><b>Results achieved at the examination and their proportion expressed in percentage in the complex mark</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Oral examination</td> <td style="width: 50%;">Complex oral exam of HVAC technicians</td> <td style="width: 10%; text-align: center;">5</td> <td style="width: 20%; text-align: center;">20.00</td> </tr> <tr> <td>Practical examination</td> <td>Preparation and presentation of diploma work</td> <td style="text-align: center;">5</td> <td style="text-align: center;">40.00</td> </tr> <tr> <td>Practical examination</td> <td>Adjustment of the facility's ventilation and hydraulic system, putting the equipment into operation</td> <td style="text-align: center;">5</td> <td style="text-align: center;">40.00</td> </tr> <tr> <td colspan="2">Result achieved at the complex vocational examination, expressed in grades.</td> <td style="text-align: center;">5</td> <td></td> </tr> </table>	Oral examination	Complex oral exam of HVAC technicians	5	20.00	Practical examination	Preparation and presentation of diploma work	5	40.00	Practical examination	Adjustment of the facility's ventilation and hydraulic system, putting the equipment into operation	5	40.00	Result achieved at the complex vocational examination, expressed in grades.		5	
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<p><b>Access to next level of education/training</b></p> <p>to higher education</p>	<p><b>International agreements</b></p>																
<p><b>Other information concerning the vocational training process</b></p>																	
<p><b>Legal basis</b></p> <p>Act CLXXXVII of 2011 on Vocational Training Professional and examination requirements specified in Decree No. 12/2013 (28 March) of the Ministry for National Economy.</p>																	

## 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of vocational education and training received	Percentage of total programme %	Duration (hours/weeks/months/years)
School-/training centre-based	Theory: 40 % Practice: 60 %	
Workplace-based		
Accredited prior learning		
Total duration of the education/training leading to the certificate		2 years

**Entry requirements:**

- Secondary school-leaving examination,
- Medical fitness requirements

**Vocational requirement modules:**

10205-12 HVAC supply systems  
10206-12 Building electrical installations and control engineering  
10207-12 HVAC comfort systems  
10208-12 Management and organization  
10209-12 HVAC pipe fitting  
10211-12 HVAC systems  
10214-12 HVAC safety at work and environmental protection related tasks  
11498-12 Employment I (for courses based on secondary school-leaving examination)  
11500-12 Occupational health and safety

This certificate supplement was prepared on the basis of the instruction for filling in the Certificate Supplement published on the homepages of the National Reference Point and the National Europass Centre.

**National Reference Point – NSZFH – <http://nrk.nive.hu>**

Head of Examination Organiser:  
Issue date: 2021.07.21

**SEAL**