



1. TITLE OF THE PROFESSION

07994001 Robbanásbiztos berendezés szerelője

2. TRANSLATED TITLE OF THE PROFESSION

Repairer of explosion-proof equipment
(THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES

- install high/low current electrical or mechanical equipment (excluding explosives) in potentially explosive environments in his/her field of competence to the extent enabled by his/her initial qualification, in accordance with the relevant legislation and standards;
- maintain, repair, overhaul, install and operate explosion-proof equipment in potentially explosive environments to the extent enabled by his/her initial qualification;
- verify and review the conformity of explosion protection technologies;
- measure gas concentration in potentially explosive environments and keep records thereof;
- operate electrical and non-electrical equipment in potentially explosive environments to the extent enabled by his/her initial qualification.

**4. CLASSIFICATION OF THE VOCATIONAL TRAINING ACCORDING TO THE ISCED
FIELDS OF EDUCATION AND TRAINING (ISCED-F)**

0799 Engineering, manufacturing and
construction n.e.c.

(*) Explanatory notes:

¹ In the original language. | ² The translation of the designation is provided for information purposes only. | ³ Fill it out if necessary. The certificate supplement provides additional information on the qualification but have no legal value in itself. The format of the description is in conformity with Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC.

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5. OFFICIAL BASIS OF THE CERTIFICATE

<p>Name and status of the authority issuing the certificate</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>Ministry for Innovation and Technology</p>																		
<p>Level of the certificate (national or international)</p> <p>NQF level: 4</p> <p>EQF level: 4</p> <p>Digital Competence Framework level: 5</p>	<p>Grading scale / Pass requirements</p> <p>Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail</p>																		
<p>Certificate number: CXK A</p> <p>Serial number: 123456</p> <p>Certificate issue date: 2023.12.07</p>	<p>Designation of the theoretical and practical subjects of the vocational qualification examination and their grades according to a five-grade scale</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3">written</td> </tr> <tr> <td>Explosion-proof equipment repair and inspection knowledge</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="3">project exercise</td> </tr> <tr> <td>Repair and inspection of explosion-proof equipment</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="3">Result of the qualification examination</td> </tr> <tr> <td></td> <td style="text-align: center;">100%</td> <td style="text-align: center;">5</td> </tr> </table>	written			Explosion-proof equipment repair and inspection knowledge	100%	5	project exercise			Repair and inspection of explosion-proof equipment	100%	5	Result of the qualification examination				100%	5
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<p>Access to next level of education/training</p> <p>To secondary education</p>	<p>International agreements</p>																		
<p>Other information concerning the vocational training process</p>																			
<p>Legal basis</p> <p>Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act, Government Decree 319/2020 (VII. 1.) on the amendment of Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act, Section 13(1) of Act LXXX of 2019 on Vocational Education and Training.</p>																			

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of the sectoral basic training and the theoretical and practical vocational training	Distribution of programme elements in percentage
Total duration of the education/training	150 hours

Entry requirements:

- Educational prerequisite: elementary school qualification
- Medical fitness requirements shall be met
- Vocational prerequisite: electrical (heavy and/or light current) and/or mechanical and/or chemical engineering and/or occupational safety and/or fire safety occupation, vocational qualification
- Field and duration of the vocational field practice: vocational field practice of minimum 3 years in electrical (heavy and/or light current) and/or mechanical and/or chemical engineering and/or occupational safety and/or fire safety fields

Further information:

WRITTEN EXAMINATION EXERCISES

Types of ignition sources and their characteristics

Requirements for electrical and non-electrical products used in potentially explosive environments and specifications for the selection and use of non-electrical products

Requirements for the marking of explosion-proof products and for the content of their instructions – general examination and test requirements for explosion-proof equipment

The importance of measuring gas concentration, types and classification of measuring instruments

Types of heating cables to be used in potentially explosive environments, their construction, operation and installation requirements

The importance, division and testing of primary, secondary and tertiary explosion protection technologies

Specifications for non-electrical equipment to be used in potentially explosive environments, requirements for the preparation of manufacturer's documentation, content of the instructions

Specifications and methods of repair and overhaul of explosion-proof electrical and non-electrical equipment and flameproof equipment with increased safety level

Requirements for the use of electrical and non-electrical products in environments exposed to flammable dusts

PROJECT EXERCISES

Comparison of the potentially explosive environment and the documentation, zone map, interpretation and examination thereof, based on the relevant series of standards

Demonstration of the operability of the equipment, device, performance of operational tests

Carrying out confirmatory measurements of the equipment or device, preparing a report (based on the manufacturer's documentation, carrying out ignition source assessments)

You can find more information on the Programme and System Requirements in the following link: <https://ikk.hu>

This certificate supplement was elaborated in accordance with the programme requirements registered by the minister responsible for VET.

National Reference Point: National Office of Vocational Education and Training and Adult Learning: <https://nrk.nive.hu>

Head of Examination Organiser:

Issue date: 2023.12.07

SEAL