

**1. TITLE OF THE PROFESSION**

07134012 Villamos állomás kezelő

2. TRANSLATED TITLE OF THE PROFESSIONElectrical substation operator
(THIS TRANSLATION HAS NO LEGAL STATUS)**3. PROFILE OF SKILLS AND COMPETENCES**

- performs operational tasks with sufficient local knowledge at high/high voltage, high/medium voltage, medium/medium voltage transformer stations and high voltage switching stations (with the exception of medium voltage switching stations) that were established for production, transmission, distribution and consumption in the electricity system;
- main tasks: status monitoring, supervision of scheduled (operational, construction or demolition) or malfunction interventions and provision of a voltage-free work area for said purposes, identifying the causes of malfunctions, their elimination or, when necessary, measures to eliminate them;
- conducts pairwork in close proximity to voltage;
- performs risk analysis, deliberation and decision-making at the start of a task and, during the task, when appropriate;
- uses individual and group protective equipment and demands the same from all individuals or work groups that enter the substation;
- in an emergency, performs technical rescue and first aid;
- conducts clear, unambiguous, instruction-based communication through the available communication channels with the service provider responsible for network monitoring and remote control;
- cooperates in maintaining a continuous and secure energy supply;
- in the case of remotely controlled substations, where on-site intervention is required, manages the computer-based workplace at a high of security;
- continuously trains themselves, learns the correct use of new safety equipment, familiarises new technologies through field work, learns the structural design, operation and hazards of new appliances and equipment installed in the form of a refresher course.

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

0713 Energetics and electricity

(*) 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

| | | | | | | | | | | | | | | | | | | | | | | |
|--|--|----------------|--|--|--|------|---|-------------------------|--|--|------------------------------|------|---|-------------------------|------|---|---------------------------------------|------|---|---|------|---|
| Name and status of the authority issuing the certificate | Name and status of the national/regional authority providing accreditation/recognition of the certificate Ministry for Innovation and Technology | | | | | | | | | | | | | | | | | | | | | |
| Level of the certificate (national or international) NQF level: 4 EQF level: 4 Digital Competence Framework level: 5 | Grading scale / Pass requirements Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail | | | | | | | | | | | | | | | | | | | | | |
| Certificate number: CXK A Serial number: 123456 Certificate issue date: 2024.01.08 | Designation of the theoretical and practical subjects of the vocational qualification examination and their grades according to a five-grade scale <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td colspan="3">written</td> </tr> <tr> <td style="width: 80%;">Electrical substation operator basic knowledge</td> <td style="width: 10%; text-align: center;">100%</td> <td style="width: 10%; text-align: center;">5</td> </tr> <tr> <td colspan="3">project exercise</td> </tr> <tr> <td>Substation operator practice</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">5</td> </tr> <tr> <td>A) Connections exercise</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">5</td> </tr> <tr> <td>B) Presentation of training portfolio</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Result of the qualification examination</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">5</td> </tr> </table> | written | | | Electrical substation operator basic knowledge | 100% | 5 | project exercise | | | Substation operator practice | 100% | 5 | A) Connections exercise | 100% | 5 | B) Presentation of training portfolio | 100% | 5 | Result of the qualification examination | 100% | 5 |
| written | | | | | | | | | | | | | | | | | | | | | | |
| Electrical substation operator basic knowledge | 100% | 5 | | | | | | | | | | | | | | | | | | | | |
| project exercise | | | | | | | | | | | | | | | | | | | | | | |
| Substation operator practice | 100% | 5 | | | | | | | | | | | | | | | | | | | | |
| A) Connections exercise | 100% | 5 | | | | | | | | | | | | | | | | | | | | |
| B) Presentation of training portfolio | 100% | 5 | | | | | | | | | | | | | | | | | | | | |
| Result of the qualification examination | 100% | 5 | | | | | | | | | | | | | | | | | | | | |
| Access to next level of education/training | International agreements | | | | | | | | | | | | | | | | | | | | | |
| Other information concerning the vocational training process | | | | | | | | | | | | | | | | | | | | | | |
| Legal basis 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, Government Decree 95/2021 (II. 27.) on the Amendment of Certain Government Decrees Relating to Vocational Education and Training and Adult Training, Government Decree 11/2020 (II. 7.) on the Implementation of the Act on Adult Education. | | | | | | | | | | | | | | | | | | | | | | |

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 | 300 hours |

Entry requirements:

- Educational attainment: primary education
- Professional qualifications: 625 Electrician, 503 Electrician, 505 Branches of electrician, 505-1 Electrical engineer, 505-2 Building electrician, 505-3 Railway electrician, 505-4 Electrical network technician, 506 General electrician, 07 2 7624 02 31 17 Electrician, 33 5216 03 Electrician, 33 522 04 1000 00 00 Electrician, 34 522 04 Electrician, 33 5222 03 Electrician and device mechanic, 4 0713 04 07 Electrician, 52 5422 01 Electrotechnical technician, 52 5422 02 High-current electronics technician, 52 5422 03 Electrical machinery and equipment technician, 07 5 3118 16 30 18 Electrical machinery and equipment technician, 54 522 01 0000 00 00 High-current electrical technician, certificate of secondary vocational education with the following entry: qualifies for the performance of electrical engineers works, 54 522 01 High-current electrical technician, 5 0713 04 04 High-current electrical technician, Electrical engineer (BsC, MsC), in the case of those who graduated from electrical plant engineer major, if: - the certificate lists one of the following specializations (specialty): - electrical engineering; - electrical machinery; - electrical energy; - building electrification
- Compliance with health fitness requirements
- Area and duration of professional experience: no less than 2 years of high-current professional experience

Further information:

WRITTEN EXAMINATION EXERCISES

Test questions and calculation task

PROJECT EXERCISES

Presentation of the portfolio prepared during the learning process, professional discussion on the subject of the material.

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: 2024.01.08

SEAL