EUROPASS CERTIFICATE-SUPPLEMENT (*)

1. TITLE OF THE CERTIFICATE (HU)

35-522-16 Villámvédelmi felülvizsgáló

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Lightning Protection Supervisor

(THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES

A typical holder of the certificate is able to:

- inspect internal and external lightning protection equipment implemented on the basis of pre-2010 legislation or standard series MSZ 274;
- examine and use the available documentation (fire risk classification, building blueprints, documentation related to the protection plan for lightning, qualification documents pertaining to the supervision of the compliance of, shock-protection and high voltage equipment with standards, lightning protection supervision protocols) in the course of supervision;;
- compare existing documents with actual status, check shock-protection grouping of buildings and installations, with special emphasis on changes;
- compare the necessary level of lightning protection equipment (lightning rod, downconductor, grounding system, gauge);
- verify whether existing lightning protection equipment is in line with the values prescribed for the necessary level;
- verify compliance with other technical requirements (internal lightning protection, fastening and connection of conductors, technical condition);
- verify the presence and coordination of lightning impulse protection.;
- prepare audit report;
- inspect internal and external lightning protection equipment implemented on the basis of post-2010 legislation or Hungarian technical standards;
- inspect and document the elements of the newly installed shock-protection equipment to be covered;
- compare existing documents with actual status, with special emphasis on any (internal or external) changes in the environmental implementation and use parameters specified in the execution design;
- classify the implemented shock-protection system and lightning protection level (LPS and LPL) of building and installations;
- classify the lightning protection measures system (LPMS) implemented in the building or installation;
- review the input parameters of risk calculation and the steadiness of internal zones; check if the calculated risks comply with legislative requirements;
- check, based on the above, the required class of lightning protection equipment (receiving, conducting, earthing, dimension, potential equalisation);
- check if the existing lighting protection system (LPS) complies with the values required for the specific lightning protection class (material, geometry);
- check if the existing lightning protection measures system (LPMS) complies with the requirements for the specific lightning protection class (potential equalisation, protecting devices, coordination, shielding);
- check the technical condition of the entire lightning protection system (LPS and LPMS) (stability, strength, surface protection, connections, corrosion, shielding connections, continuity of shielding shells, internal lightning protection, fastening and connection of conductors, operating readiness of protective devices);
- verify suitability of grounding using ground resistance measurement;
- check step and contact electricity protection;
- if necessary, measure the specific resistance of the soil;;
- reject the task if no input documents are available for norm-based lightning protection, otherwise;
- prepare a qualification document.

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

7524 Construction electrician, electrician

(*) 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/

5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the institute issuing the certificate

Name and status of the national/regional authority providing accreditation/recognition of the certificate

Ministry for National Economy

Level of the certificate (national or international)

Level of vocational qualification according to the National Qualification Register:
35 secondary vocational qualification add-ons, which are based on vocational qualifications requiring elementary school qualifications and may typically be obtained in formal education

ISCED2011 code:
3

NQF level: 4

EQF level: 4

Grading scale / Pass requirements

Five -grade:
5 excellent
4 good
3 satisfactory
2 pass
1 fail

Certificate number: PT K

Serial number: 123456

Certificate issue date: 2023.10.02

Results achieved at the examination and their proportion expressed in percentage in the complex mark

Central written examination	Lightning protection supervision test	5	40.00
Oral examination	Lightning protection supervision	5	40.00
Practical examination	Lightning protection supervision	5	20.00
Result achieved at the complex vocational examination, expressed in grades.		5	

Access to next level of education/training

To secondary education

International agreements

Other information concerning the vocational training process

Legal basis

Act CLXXXVII of 2011 on Vocational Training
Decree 29/2016 (VIII. 26.) NGM of the Minister for National Economy on the professional and examination requirements of vocational qualifications.

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: 90 % Practice: 10 %	
Workplace-based		
Accredited prior learning		
Total duration of the education/training leading to the certificate		200 hours

Entry requirements:

- Elementary level school education
- 34 522 04 Electrician or secondary or tertiary qualification in heavy current applications

Vocational requirement modules:

11298-12 Inspection of non-standard lightning protection

11299-12 Inspection of standard lightning protection

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: 2023.10.02

SEAL