

1. Title of the certificate ¹

Δίπλωμα Επαγγελματικής Ειδικότητας Εκπαίδευσης και Κατάρτισης Επιπέδου 5. Ειδικότητα Ι.Ε.Κ.:

ΤΕΧΝΙΚΟΣ ΕΣΩΤΕΡΙΚΩΝ ΗΛΕΚΤΡΙΚΩΝ ΕΓΚΑΤΑΣΤΑΣΕΩΝ Ν. 4186/2013

2. Translated title of the certificate ²

Vocational Training Diploma Initial Vocational Training (I.E.K.) Level 5. Specialty of I.E.K.:

TECHNICIAN OF INTERNAL ELECTRICAL FACILITIES N. 4186/2013

3. Profile of skills and competences

LEARNING OUTCOMES (KNOWLEDGE, SKILLS, COMPETENCES). A typical holder of the certificate is able to:

KNOWLEDGE

- Interpret a technical drawing (both mechanical and electrical).
- Identify the parts and the operation of electrical circuits (power supply and control, signalling, illumination, safety, control, operation, and indications circuits), automation systems and panels.
- Correlate the basic laws of electricity, the specifications of electrical materials based on the applicable legislation, with regard to circuits of direct and alternating current (single and three-phased).
- Describe the parts, the operating and construction specifications of a PLC, along with the organisation of a hierarchically structured control system that uses a programmed logical controller.
- Identify the parts and the operation of electrical circuits, connections and panels, groundings, and isolations.
- Explain the operation of electrical motors and transformers, as well as their basic inspections, operating settings and control instruments.

SKILLS

- Use instruments for technical measurements (multimeters, clamp meters, wattmeters, callipers, meggers, micrometers, etc.).
- Follow a maintenance programme, by performing any necessary works and checking the result.
- Programme programmable logic controllers (PLC) for simple automation applications.
- Locate malfunctions in electrical and/or automation installations (traditional and/or programmable), and in their specific components, restore and resolve any technical problems arising during their work.
- Construct an electrical installation (direct or alternating current, single or three-phased) following a given design - plan.
- Inspect an electrical installation, identify possible damages of it as well as its individual components, repair it and ensure its safe operation.

COMPETENCES

- Work both under the instructions of an engineer and autonomously, within the framework of responsibilities awarded by virtue of the applicable laws.
- Research the latest information and data in their profession and update their initial knowledge.

4. Range of occupations accessible to the holder of the certificate ³

The holder of this diploma can be employed in undertakings engaged with the manufacture of mechanical or electrical - electronic equipment for any kind of elevators, as well as with the procurement, installation, and/or maintenance thereof. The Vocational Training Diploma is recognised as a qualification for appointment in the public sector according to the Presidential Decree no. 50/2001 (Greek Official Gazette 39/Vol. A/5-3-2001), as currently in force.

¹ In the original language. | ² If applicable. This translation has no legal status. | ³ If applicable.

5. Official basis of the certificate

Body awarding the certificate

E.O.P.P.E.P.
(National Organisation for the Certification of
Qualifications and Vocational Guidance)
41 Ethnikis Antistaseos Avenue, 142 34 N. Ionia
<https://www.eoppep.gr/>

Level of the certificate (national or European)¹

Level 5 National and European Qualifications Framework

Access to next level of education / training¹

Yes

Legal basis

Law 2009/1992 on the National System of Vocational Education and Training
Law 4186/2013 on the Restructure of Secondary Education
Law 4763/2020 on National System of Vocational Education, Training and Lifelong Learning

Authority providing accreditation / recognition of the certificate

E.O.P.P.E.P.
(National Organisation for the Certification of Qualifications
and Vocational Guidance)
41 Ethnikis Antistaseos Avenue, 142 34 N. Ionia
<https://www.eoppep.gr/>

Grading scale / Pass requirements

a) acquisition of the Vocational Training Certificate (V.E.K.) after successful completion of study at the Vocational Training Institute (I.E.K.)
b) acquisition of the Vocational Training Diploma after:

1. success in the theoretical part of Initial Vocational Training certification examinations (Grading scale = 1-20, Pass = 10) and
2. success in the practical part of the Initial Vocational Training certification examinations (Pass/Fail)

International agreements on recognition of qualifications¹

No

6. Officially recognised ways of acquiring the certificate

Total duration of the education / training leading to the certificate. Success in the Initial Vocational Training certification examinations 4 semesters (until law 4186/2013) / 5 semesters (after law 4186/2013)

7. Additional information

Entry requirements¹

Certificate of Upper Secondary School. Qualification of Level 4 (NQF/EQF) // Certificate Vocational Training School (SEK) – Qualification of Level 3 (NQF/EQF)

Following the voting of L. 4763/2020, only by an Upper Secondary Education certificate or an equivalent title of studies (Qualification of Level 4 NQF/EQF)

Indicative subjects taught:

Electrical Technology and Applications, Electrical Installations I & II, Drawing (Mechanical and Electrological), Machine Applications, Environment Protection, Work Safety, Health and Fire Protection, Power Electronics, Automation, Laboratory Organisation and Operation, Professional practice.

More information

National Qualifications Framework : <https://nqf.gov.gr/> and <https://proson.eoppep.gr/en>

National Europass Centre: **EL/NEC - E.O.P.P.E.P.** National Organisation for the Certification of Qualifications and Vocational Guidance, Ethnikis Antistaseos 41 Avenue, 142 34 N. Ionia, Greece. T.0030 2102709000 europass@eoppep.gr
<http://europass.eoppep.gr> www.eoppep.gr

¹ If applicable.