

1. Title of the certificate ¹

**Δίπλωμα Επαγγελματικής Ειδικότητας Εκπαίδευσης και Κατάρτισης Επιπέδου 5 Ειδικότητα Ι.Ε.Κ.:
ΤΕΧΝΙΚΟΣ ΤΟΠΟΓΡΑΦΙΚΩΝ ΕΦΑΡΜΟΓΩΝ**

2. Translated title of the certificate ²

**Vocational Training Diploma Initial Vocational Training (I.E.K.) Level 5 Specialty of I.E.K.:
TOPOGRAPHY APPLICATIONS TECHNICIAN**

3. Profile of skills and competences

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

KNOWLEDGE

- Fully describe the procedures, the measurement instruments and the method for using them with regard to the topographical applications and impressions.
- Fully describe the concepts, the definitions, the basic principles, procedures and methods of automated and thematic map-making.
- Sufficiently explain the technical legislation and the details of the implementation deeds relevant to the profession, along with the rules and procedures governing private and state projects.
- List the basic principles of technical and topographic design, its means, instruments and materials, by sufficiently interpreting the technical drawings under different design scales.
- Properly present the basic elements and operations of the geographic information systems.
- Fully explain the procedures and the basic principles of designing and constructing roads and road projects.
- Properly describe the basic principles and procedures of land registration and redistribution.
- Present the basic principles, tools, and methods of photogrammetry.
- Sufficiently analyse the basic principles of civil construction and development, the relevant legislation and its governing regulations.
- List the occupational hazards, the protection means, and the first-aid techniques.
- Analyse issues related to the protection of the environment and the proper use of energy sources.
- Present the principles of organization and operation for work sites, the methods for organizing and operating small businesses and projects, and the concept of entrepreneurship.
- Properly understand the technical terminology established in the field of their work, conducting a professional communication both in Greek and in English.

SKILLS

- Properly resolve problems of statistics and probabilities.
- Easily design in a computer and by hand manufacture, architectural, construction and topographic drawings, suggesting suitable changes of the drawings in practise.
- Properly apply the fundamental problems of topography and the principles of map making and geodetics, and perform all necessary actions to conduct with technical completeness all kinds of geodetics exercises, topographic or surveying impressions and network impressions.
- Operate the geographical information systems, using commercial G.I.S. packages.
- Lay-out technical projects with technical appropriateness.
- Properly apply photogrammetry, structural knowledge and the clauses of regulations with regard to the design and implementation of projects.
- Design, study and construct transport projects.
- Locate the risks inherent to each stage of works, promptly takes the necessary safety measures, providing first aid in the event of minor accidents.
- Handle his/her electronic correspondence and use an office suite for simple applications (preparation of spreadsheets, offers, reports, clientele, etc.) and locate basic information related to the subject of his/her work in the internet.
- Organise his/her work space, while keeping it orderly and clean during and after the works under his/her responsibility.

COMPETENCES

- Fully and successfully cover the support of a technical firm, by effectively organizing the site and the personnel, to the benefit of work.
- Operate as a liaison between the designers, and constructors, and the personnel participating in the implementation of the project.
- Apply good area perception, in order to achieve the best possible result.
- Look for the latest information and technological data in his/her profession, by revising his/her initial knowledge.
- Act rationally and responsibly, as a member of a team or autonomously, and develop constructive and unproblematic collaborations through proper communication, both with customers and with his/her colleagues and crews.
- Resolve, either autonomously or through collaboration with other industry professionals, any problems that may come up during works performed.
- Combine the above knowledge and skills in different environments by taking initiatives and adapting his/her behaviour to the circumstances.
- Consider his/her personal learning deficiencies and needs and participate in continuing education programs related to the technological and organizational developments in his/her field.
- Summarise his/her rights and obligations, both as waged personnel and as a freelancer, making special reference to the field of human relations and to the respect of professional obligations.

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

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

The holder of the Diploma of this specialization can work as an employee in the public and private sector, or as self-employed (employment upon request submitted by an engineer - graduate of tertiary education).

The Vocational Training Diploma is recognised as a qualification for appointment in the public sector falling in the category S.E. (Secondary Education) according to the Presidential Decree no.50/2001 (Greek Official Gazette 39/Vol.A/5-3-2001).

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)
Ethnikis Antistaseos 41 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 / training ¹

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

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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 qualifications ¹

No

6. Officially recognised ways of acquiring the certificate

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

7. Additional information

Entry requirements ¹

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:

Operational Systems DOS–WINDOWS, Spreadsheets, Technical Drawing, Statistics–Probabilities, Topography I&II, Topographic Drawings, Automised and Thematic Cartography, Technical Legislation and Elements of Practical Application, Topographic Mapping and Networks, Road Construction I&II, PC Design Programs, Geographical Information Systems, Photogrammetry, Cadastre–Reallotment of Land, Drafting of Technical Works, Topographic Exercises, Urban Planning–Land Planning, Large Geodetic Exercises, Spatial Data Imaging with PC, Data Input–Output of Geographic Information Systems, Geographic Information Systems Mosaic, English language.

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.