

### 1. Title of the certificate <sup>1</sup>

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

### 2. Translated title of the certificate <sup>2</sup>

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

### 3. Profile of skills and competences

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

#### KNOWLEDGE

- Discern the basic terminology in the field of computer networks in Greek and in English.
- Describe the operation of computer networks, discern and analyse the hardware (active/passive) and the services.
- State the individual key parts of a network and analyse its functions, without using manuals.
- Formulate the basic principles for modular cabling and the principles of data transmission.
- Describe the Open Systems Interconnection (OSI) reference standard and discern the key operations of each level.
- Describe in detail and analyse the individual steps of a maintenance program for a computer network, using the corresponding manufacturer's manuals.
- Discern and analyse the problems that could come up in a computer network and provide the appropriate ways to overcome them.
- Present the basic diagnostic methods (indicative lights, error messages) in order to deal with the malfunctions of the network.
- Specify clearly the health and safety rules and state the protective measures for any corrective rectification action for malfunctions in the network hardware.

#### SKILLS

- Install modular cabling, in accordance with current standards and based on the respective drawing.
- Keep the drawing of the network up to date for any change.
- Fill the necessary maintenance documents of the network and update the maintenance logs thereof.
- Maintain the active hardware of the network based on the manufacturer manuals, unattended.
- Restore malfunctions in the passive equipment and cabling of the network, autonomously.
- Maintain the active part of the network hardware, using the corresponding manufacturer manuals under the guidance and supervision of the network administrator.
- Perform preventive maintenance on computer network hardware, based on the manufacturer or the facility's operator maintenance program, unattended.
- Manage and evaluate the equipment of a local network.
- Properly install and configure the active network hardware, according to the network's manufacturer and administrator instructions.
- Execute recovery actions against possible failures of active hardware, taking backups of software and applying the relevant instructions.

#### COMPETENCES

- Receive and properly execute the instructions for the installation and maintenance of the networks, at active and passive hardware level.
- Effectively collaborate with computer users and administrators of IT systems to support and adequately maintain the network installations.
- Operate in accordance with the security policy of the organizations and businesses employing him/her and observe the rules.
- Develop trust with users, inspire a sense of responsibility and safety, as regards the handling of digital data stored on the IT systems supported.
- Operate under the legislative framework regarding the protection of sensitive personal data and the protection of software rights, and apply the rules of ethics.

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

#### 4. Range of occupations accessible to the holder of the certificate <sup>3</sup>

The holder of the Diploma of this specialization can be employed in the public sector, in organisms or businesses which use data-transmitting networks and Information Technology services, in businesses which manufacture or support products related to data-transmitting networks and information technology, or which promote/sell products or services related to networks or information technology.

The holder of the diploma of this specialization is exempted from the obligation to present the ECDL certificate in order to occupy any administrative post falling in the category of SE (Secondary Education) in the Public Sector.

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) <sup>1</sup>

Level 5 National and European Qualifications Framework

##### Access to next level of education / training <sup>1</sup>

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.  
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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 <sup>1</sup>

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 <sup>1</sup>

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:

Introduction to Information Technology, Algorithms and Data Structures, Computer Architecture, Functional Systems I & II, Data Communication and Internet Technology, Electronic and Digital Measurements, Telecommunications, Computer Networks I, II & III, Network Administration I & II, Network Installation (Structured Wiring), Network Security, Communication Technique-Entrepreneurship, Interdisciplinary Assignment, English I, II & III

##### 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](mailto:europass@eoppep.gr)  
<http://europass.eoppep.gr> [www.eoppep.gr](http://www.eoppep.gr)

<sup>1</sup> If applicable.