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

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**Δίπλωμα Επαγγελματικής Ειδικότητας Εκπαίδευσης και Κατάρτισης Επιπέδου 5 Ειδικότητα Ι.Ε.Κ.:  
ΤΕΧΝΙΚΟΣ ΣΥΣΤΗΜΑΤΩΝ ΤΗΛΕΠΙΚΟΙΝΩΝΙΩΝ ΚΑΙ ΜΕΤΑΔΟΣΗΣ ΠΛΗΡΟΦΟΡΙΑΣ**

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

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**Vocational Training Diploma Initial Vocational Training (I.E.K.) Level 5 Specialty of I.E.K:  
TELECOMMUNICATIONS & INFORMATION TRANSMISSION SYSTEMS TECHNICIAN**

**3. Profile of skills and competences**

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

**KNOWLEDGE**

- Discern the basic terminology in the field of telecommunication and information transmission systems in Greek and English.
- Describe the operation of telecommunication and information transmission systems, discern and analyse the hardware (active/passive) and the services.
- State the individual key parts of a telecommunication system and analyse its functions, without using manuals.
- Formulate the basic principles for communications, for the transmission media (wired and wireless) and the principles for transmitting data.
- Describe the Open Systems Interconnection (OSI) reference standard and discerns the key operations of each level.
- Describe in detail and analyses the various steps in a maintenance programme.
- Discern and analyse the problems that could come up in a telecommunications system and provide the appropriate ways to overcome them.
- Describe the basic diagnostic methods (indicative lights, error messages) in order to deal with the malfunctions of the telecommunication system.
- Specify clearly the health and safety rules and states the protective measures for any corrective rectification action for malfunctions in the telecommunications system hardware.

**SKILLS**

- Install cables, 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 telecommunications system and update the maintenance logs thereof.
- Maintain the active hardware of the network based on the manufacturer's manuals (mechanical, electrical faults at maintenance level), without supervision.
- Restore malfunctions in the passive hardware, in the transmission medium and in terminals, on his/her own.
- Maintain the software of the active network hardware (e.g. upgrading the ios in a router), using the corresponding manuals of the manufacturer, under the guidance and supervision of the network administrator.
- Perform the preventive maintenance on telecommunication and information transmission systems, based on the maintenance schedule of the manufacturer or facility operator, unattended.
- Manage and evaluate the equipment of a telecommunication system.
- Properly install and configure the active telecommunication system hardware, according to 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 telecommunications systems, at active and passive hardware level.
- Effectively collaborate with the users of terminal devices of telecommunications systems and with administrators to support and maintain adequately the facilities.
- 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 in the systems supported.
- Operate under the legislative framework regarding the protection of sensitive personal data and applies the rules of ethical conduct.

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<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 this certificate can work as an employee in public and private companies and organizations of telecommunication services, in industries and production units of telecommunication products, spare parts and materials, in commercial representatives of telecommunication products, in repair workshops of telecommunication parts and systems. The holder of the certificate can also work as a freelancer in independent or autonomous telecommunication installations in buildings, industries etc. as well as in information collection and transmission systems with the use of a computer.

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

#### 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:

Electrotechnics – Electronic Technology Principles, Elements of Electronic Devices Mechanical Technology, Analogue Electronics, Digital Electronics, Introduction to Computing and Programming, Microprocessors, Communications, Electronic Devices and Damage Detection Methods, Terminating Sets, Electromechanical Devices, Wired Networks, Wireless Networks, Telephone Exchange, New Services, Pulse Coded Modulation (P.C.M.), Data Management in Computer Networks, English, Computing.

##### 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.