

1. Title of the certificate (TR)
Bilgisayar Donanım Elemanı Mesleki Yeterlilik Belgesi (Seviye 5)
⁽¹⁾ In the original language

2. Translated title of the certificate (EN)
Computer Hardware Personnel VQA Vocational Qualification Certificate (Level 5)
⁽¹⁾ If applicable. This translation has no legal status.

3. Profile of skills and competences		
A typical holder of the certificate is able to:		
UNIT CODE	TYPE	UNITS
12UY0045-5/A1	MANDATORY	Occupational Health and Safety, Quality, Work Organization and Professional Development <ul style="list-style-type: none"> • Explains OHS measures. • Explains environment protection measures. • Defines quality applications. • Explains how to make work organization. • Defines activities needed to be carried out for professional development.
12UY0045-5/A2	MANDATORY	Basis of Computer Hardware and Software <ul style="list-style-type: none"> • Explains the operating logic of the computer. • Explains basic computer use. • Explains the working principles of computer chassis, cooling and energy equipment. • Explains the working principles of the motherboard. • Describes the working principles of central processing and memory units. • Explains the working principles of storage hardwares. • Describes the operating principles of display hardware. • Explains the working principles of the computer peripherals. • Describes portable computer types and working principles. • Explains the working principles of network and communication hardwares.
12UY0045-5/A3	MANDATORY	Computer Installation and Configuration <ul style="list-style-type: none"> • Explains the preparations to be made before installation. • Explains installation steps of the desktop / server computer system cabinet. • Explains installation steps of partially installed computer systems. • Explains the steps to be taken when the computer system is first run. • Explains how to install the operating system. • Performs the computer installation and operating system setup.
12UY0045-4/B2	MANDATORY	Computer Maintenance, Detecting the Fault and Basic Troubleshooting <ul style="list-style-type: none"> • Explains the software maintenance procedures of computer. • Explains the hardware maintenance procedures of computer. • Explains how to replace computer hardware with the new ones. • Replaces the computer hardwares with new ones. • Describes how to detect the source of a fault in the computer system.

		<ul style="list-style-type: none"> • Applies the necessary procedures to detect the faulty source in the computer system. • Explains how to troubleshoot software problems. • Explains how to troubleshoot simple component problems.
12UY0045-4/B1	OPTIONAL	User Relations and Technical Support <ul style="list-style-type: none"> • Explains the communication processes to be performed with the user. • Explains the steps involved in remote technical support activity. • Describes the steps involved in the on-site technical support activity. • Explains the operations covered by simple network setup support.
12UY0045-5/B2	OPTIONAL	Advanced Detecting the Fault, Troubleshooting and Repair <ul style="list-style-type: none"> • Explains how to detect the faulty component in the computer system. • Detects faulty components in space mounting. • Explains basic electronic concepts. • Explains electronic repair techniques of components. • Explains how to repair the desktop computer power supply. • Explains how to repair the mainboard. • Explains how to troubleshoot and repair the problems of other internal components. • Explains how to repair the LCD display. • Explains how to troubleshoot and repair the problems of other external components. • Explains points to consider in repair process of portable computers. • Describes the final tests to be performed for the troubleshooting. • Performs repair of faulty component.

4. Range of occupations accessible to the holder of the certificate ⁽¹⁾

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⁽¹⁾ If applicable

^(*) Explanatory note

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: 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.

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5. Official basis of the certificate

Name and status of the body awarding the certificate Computer Hardware Personnel (Level 5) Vocational Qualification Certificate, is awarded by Authorised Certification Bodies authorised by Vocational Qualification Authority. The list of Authorised Bodies available at: http://www.myk.gov.tr/ybk	Name and status of the national/regional authority providing accreditation/recognition of the certificate Vocational Qualification Authority (Mesleki Yeterlilik Kurumu) Ziyabey Caddesi 1420. Sokak No:12 Balgat Çankaya/ANKARA TURKIYE www.myk.gov.tr
Level of the certificate (national or international) ISCO 08: 3512 and Level 5- Turkish Qualifications Framework Detailed information on Turkish Qualifications Framework available at: http://www.tyc.gov.tr	Grading scale / Pass requirements It is required that the candidate must be successful at all of the units in at least one of the alternatives below for obtaining Computer Hardware Personnel (Level 5) Vocational Qualification Certificate. I. A1, A2, A3: Installation and Maintenance Personnel (Installation, Configuration and Maintenance) II. A1, A2, A3, 4/B2, B1, 5/B2: Technical Service Personnel (Installation, Configuration, Maintenance and Technical Service)
Access to next level of education/training -	International agreements -
Legal basis Vocational Qualification Authority Law No. 5544	

6. Officially recognised ways of acquiring the certificate

This document is prepared for candidates applying to authorised certification bodies, in the case of meeting the performance criteria after theoretical and applied assessments are made and each required unit for obtaining the qualification is successfully completed.

The performance criteria and assessment rates may be different for each qualification.

Entry requirements

There is not an entry requirement for this national qualification.

Information

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Additional information

It is an equitable, transparent and confidential system including rules and activities regarding the development and application of technical and vocational education standards and qualifications, and accreditation, authorisation, audit, assessment, certification related to them, based on national and international occupational standards.

The levels of VQA Vocational Qualification Certificates in relation to Turkish Qualifications Framework are defined as a result of comparing the learning outcomes of the related national qualification to TQF level descriptors. TQF level descriptors, defining the minimum learning outcomes required for the qualifications levelled according to TQF, are available at <http://www.tyc.gov.tr/st>. Since TQF is referenced to European Qualifications Framework (EQF), eight TQF levels correspond to eight EQF levels. Level 5 qualifications for which this certificate herein is issued are defined as "Employee exercises management and supervision of work or study activities where there is unpredictable change; reviews and develops performance of self and others."

More information (including a description of the national qualifications system) available at:

Vocational Qualifications Authority

www.myk.gov.tr

www.tyc.gov.tr

Europass

www.europass.gov.tr

<https://europass.cedefop.europa.eu/>