

1. Title of the certificate ^(TR)
Ekskavatör Operatörü Mesleki Yeterlilik Belgesi
(Seviye 3)
⁽¹⁾ In the original language

2. Translated title of the certificate (EN)
Excavator Operator VQA Vocational Qualification Certificate
(Level 3)
⁽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
11UY0028-3/A1	MANDATORY	<p>Occupational Health and Safety at Excavator Operatorship</p> <ul style="list-style-type: none"> • Has knowledge of legal requirements about occupational health and safety. • Has knowledge about occupational health and safety protection and intervention tools. • Has knowledge of basic first aid. • Has knowledge about the steps to be followed in case of emergency. • Has knowledge of having interior of the cab insulated against electric current. • Has knowledge of fire intervention techniques and how to use fire extinguishers. • Has knowledge about the meanings of warning and signs. • Has knowledge of arrangement and organization of the work place at small scale. • Has knowledge of landscaping and protection measures at basic level. • Has knowledge about traffic sign and flaggers. • Has knowledge about the underground and overground lines (electricity, water, natural gas etc.) at the field to be worked. • Has knowledge about inconveniency and legal obligations of taking passenger inside the cab. • Takes occupational health and safety measures and reduces risk factors. • Uses personal protective equipments suitable for the work. • Applies emergency procedures in case of danger. • Provides the cleanliness and order of the work area. • Makes working field safe with warning signs. • Works by paying attention to underground and overground lines. • Complies with the instructions of flaggers of working site. • Waits in the cab in case the machine receives electric shock. • Takes precaution in case of danger. • Shows required reflex by keeping his composure in case of danger. • Takes precaution in case of danger. • Shows required reflex by keeping his composure in case of danger.
11UY0028-3/A2	MANDATORY	<p>General Occupational Knowledge and Application Skill at Excavator Operatorship</p> <ul style="list-style-type: none"> • Has knowledge about the works that an excavator will perform. • Has knowledge about the technical capacity of excavator and the specifications of cab. • Has knowledge about the rescue operations to be performed with the excavator. • Has knowledge of the necessity of reading operator usage and maintenance manual. • Has knowledge about the walking distance of the excavator. • Has knowledge about tire pressure / tension of pallet which will be adjusted according to the ground. • Has knowledge about the attachments of the excavator and selection of appropriate attachments.

- Has knowledge about the detection of landslip, scarp, hat which can occur at the steeper digging.
- Has knowledge of ground.
- Has knowledge of making levelling.
- Has knowledge of recovery of the excavator which is sunken in soft ground.
- Has knowledge about discharging water collected at fuel and air systems.
- Has knowledge about oil, water, fuel levels of all equipment.
- Has knowledge about the control of air filters, straps and accumulator.
- Has knowledge about leakage.
- Has knowledge about the control of bucket, blade bolts, blade conveyor joint screws, crawler screws/wheel studs.
- Has knowledge about reading indicators.
- Has knowledge about safety equipment (safety handle, service and parking brake, reverse gear hooter, parking and beacon lamp).
- Has knowledge about controller handle and pedals.
- Has knowledge about engine, oil, fuel, cooling and hydraulic, electrical circuit components.
- Has knowledge about cab struts.
- Has knowledge about engine mounting bracket and joint screws.
- Has knowledge of troubleshooting simple faults.
- Has knowledge about works which are intra vires and ultra vires.
- Has knowledge of keeping maintenance and repair records at required quality.
- Has knowledge about the safe escalation tilt of the excavator.
- Has knowledge about the center of gravity and equilibrium of the excavator.
- Has knowledge about lowering the bucket (blade, if any) in a way contacting the trailer and deflating the tires of the excavator after it is loaded to the trailer.
- Has knowledge about immobilizing tower mechanical interlock after excavator is loaded.
- Has knowledge about filling fuel tankage at the end of the work.
- Has knowledge about required procedures for parking excavator to safe field at the end of the work.
- Has knowledge about parking brake application, dummyming and securing the machine to trailer during carryover.
- Has knowledge about closing exhaust pipe.
- Has knowledge about natural construction materials.
- Has knowledge about rock pulling out and crushing.
- Has knowledge about aligning stone to miters.
- Has knowledge about cutting meters by angling bucket appropriately.
- Has knowledge about cleaning the bottoms of the miter.
- Has knowledge of ditching and canalization.
- Has knowledge about storing materials arose from excavation.
- Has knowledge of controls of breakage, fracture, oil, fuel and water leakage to be performed at the end of the work.
- Has knowledge about control and tightening of moving parts at the end of the work.
- Has knowledge of taking fuel on.
- Has knowledge about the parking excavator to flat surface.
- Has knowledge about shifting the gear to neutral, lowering the bucket/blade, locking the brakes and shutting down the electric switchgear at the end of the parking.
- Has knowledge about long standing storage procedures.
- Has knowledge about greasing hydraulic cylinder rods and parts to be greased with grease oil.
- Has knowledge of loading.
- Makes tire pressure / tension of pallet which will be adjusted according to the ground.
- Selects appropriate attachment for the work at which the excavator will operate.
- Detects landslip, scarp, hat which can occur at the steeper digging.
- Applies operator usage and maintenance manual.
- Conveys breakdowns that can occur to related persons.
- Makes simple soil exploration with bucket for understanding the flaccidity of soil.
- Makes levelling.
- Rescues the excavator which is sunken in soft ground.
- Discharges water collected at fuel and air systems.
- Controls oil, water and fuel levels of all equipment.
- Controls and changes the air filters, straps.
- Controls the acumulator.
- Makes necessary intervention in case of leakage.

		<ul style="list-style-type: none"> • Controls and changes bucket, blade bolts, blade conveyor joint screws, crawler screws/wheel studs. • Controls wheel studs. • Reads the indicators. • Controls safety equipment (safety handle, service and parking brake, reverse gear hooter, parking and beacon lamp). • Uses controller handle and pedals. • Controls engine, oil, fuel, cooling and hydraulic, electrical circuit components. • Repairs simple faults of engine, oil, fuel, cooling and hydraulic, electrical circuit components. • Changes bucket gripper, teeth and side blades. • Controls engine mounting bracket and joint screws. • Troubleshoots simple faults. • Keeps maintenance and repair records at required quality. • Drives excavator safely at sloping land. • Loads machine to trailer. • Lowers the bucket (blade, if any) in a way contacting the trailer and deflating the tires of the excavator after it is loaded to the trailer. • Immobilizes tower mechanical interlock after excavator is loaded. • Applies parking brake, scotches and secures machine to trailer during carryover. • Closes the mouth of exhaust pipe properly during the carryover of the machine or long standing park. • Pulls out and crushes rock with crushing attachment. • Aligns stone to meters. • Cuts meters by angling bucket appropriately. • Cleans the bottoms of the mitre. • Makes ditching and canalization. • Performs demolition works safely. • Stores material arose from excavation appropriately. • Controls breakage, fracture, oil, fuel and water leakage to be performed at the end of the work. • Controls and tightens moving parts at the end of the work. • Performs fuel delivery. • Parks excavator to flat surface at the end of the work. • Performs shifting the gear to neutral, lowering the bucket/blade, locking the brakes and shutting down the electric switchgear operations at the end of the parking. • Applies the long standing storage procedures. • Greases hydraulic cylinder rods and parts to be greased with grease oil. • Performs loading. • Applies information received from his superior related to the work to be performed by excavator correctly. • Work in coordination with other personnel who are together. • Complies with the developments related to his profession. • Defines errors on the worked soil and proposes preventive or corrective solutions. • Works systematically under the supervision of superiors. • Solves simple problems which are encountered on his own. • Implements required measures for fuel efficiency. • Is sensitive to the environment. • Reduces the exposure of people to minimum at the works at places with intense traffic. • Uses the time well.
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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 Excavator Operator (Level 3) 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: 8342 and Level 3- 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 the stages of A1 and A2 for obtaining Excavator Operator (Level 3) Vocational Qualification Certificate.
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 3 qualifications for which this certificate herein is issued are defined as "Employee takes responsibility for the completion of tasks in work or study; adapts own behaviour to circumstances in solving problems."

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/>

