

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

2. Translated title of the certificate (EN)
Grader 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
11UY0029-3/A1	MANDATORY	<p>Occupational Health and Safety at Grader 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 fire intervention techniques and how to use fire extinguishers. • Has knowledge of techniques of getting in and getting off the machine. • Has knowledge about procedure to be applied in case of rollover of the machine. • 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 safety measures to be taken during working with grader at residential area. • Has knowledge about dangers to be occurred in case of the stopping of grader engine in action. • 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. • Encompasses working field safely with warning signs. • Complies with the instructions of flaggers of working site. • Takes precaution in case of danger.
11UY0029-3/A2	MANDATORY	<p>General Occupational Knowledge and Application Skill at Grader Operatorship</p> <ul style="list-style-type: none"> • Has knowledge about the works that grader will perform. • Has knowledge about the technical capacity of grader and the specifications of cab. • Has knowledge of using machine appropriate (sitting, on foot) for the work to be done. • Has knowledge about the rules to be obeyed during driving grader at highway. • Has knowledge about tire pressure. • Has knowledge of reading operator maintenance and usage catalogue. • Has knowledge whether the soil has adequate falicidity for levelling. • Has knowledge of making levelling. • 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 blade (ripper, if any), blade bolts, blade conveyor joint screws and dumper shoe.
- Has knowledge about 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 circuit components.
- Has knowledge about middle and point blade and ripper teeth.
- 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 height of the grader.
- Has knowledge about the rollover angle of the grader.
- Has knowledge of shifting down the return angle by tilting tire method.
- Has knowledge of adjusting the centre of gravity by steering frame method.
- Has knowledge about the frame lock pin of the grader should be mounted during driving.
- Has knowledge about lowering the bucket (blade, if any) in a way contacting the trailer and deflating the tires of the machine after it is loaded to the trailer.
- Has knowledge about immobilizing machine after being loaded by mounting frame lock pin.
- Has knowledge about parking brake application, dummieing and securing the machine to trailer.
- Has knowledge about closing exhaust pipe.
- Has knowledge about in which position the front wheel should be during driving.
- Has knowledge about appropriate gear selection during driving.
- Has knowledge about cutting meters by angling bucket appropriately.
- Has knowledge about the machine is in critical stability position during cutting miter.
- Has knowledge about cleaning the bottoms of the miter.
- Has knowledge of ditching.
- Has knowledge of making crossfall (superelevation) on road, laying material, gathering, blending material, engraving soil surface and making refinish (rigging) of the soil.
- Has knowledge of tire thread minor depth and putting safety chains on tires during snow cleaning.
- Has knowledge about the blade safety lock should be changed in case it is broken.
- Has knowledge of controls of breakage, fracture, oil, fuel and water leakage to be performed at the end of the work.
- Has knowledge about filling fuel tankage at the end of the work.
- Has knowledge about control and tightening of moving parts at the end of the work.
- Has knowledge about required procedures for parking grader to safe field at the end of the work.
- Has knowledge about the way of work of tandems.
- Has knowledge about troping up the blown tire in case of blowout.
- Has knowledge of taking fuel on.
- Has knowledge about the parking grader to flat surface.
- Has knowledge about shifting the gear to neutral, lowering the blade, locking the brakes and shutting down the electric switchgear at the end of the parking.
- Has knowledge about cleaning the machine during long standing awaitings.
- Has knowledge about measure to disconnect machine from the ground during long standing awaitings.
- Has knowledge about deflating the tires during long standing awaitings.
- Has knowledge about greasing hydraulic cylinder rods and parts to be greased with grease oil.
- Has knowledge about filling fuel tank during long standing awaitings.
- Has knowledge about controlling all equipments of grader by making standing grader started at regular intervals.
- Has knowledge about procedures of taking grader to repairshop in case of breakdown.
- Adjusts tire pressure which will be adjusted according to the ground.
- Reads operator usage and maintenance catalogue.
- Makes levelling.
- Discharges water collected at fuel and air systems.
- Controls oil, water and fuel levels of all equipment.
- Controls air filters, straps and accumulator.
- Determines the leakages.

		<ul style="list-style-type: none"> • Controls the blade (ripper, if any), blade bolts, blade conveyor joint screws and dumper shoes. • Reads the indicators. • Uses controller handle and pedals. • Controls engine, oil, fuel, cooling and hydraulic circuit components. • Changes middle and point blade and ripper teeth. • Tightens engine mounting brackets and joint screws if they are loose. • Troubleshoots simple faults. • Performs works which are intra vires and informs superior about works which are ultra vires. • Keeps maintenance and repair records at required quality. • Shifts down the return angle by tilting tire method. • Makes safe climbing with grader. • Loads machine to trailer in a safe way. • Attaches frame lock pin after machine is loaded and lifts down the blade to the ground. • Applies parking brake, scotches the tires and secures the machine to trailer. • Closes exhaust pipe. • Cuts meters by angling bucket appropriately with grader. • Cleans the bottoms of the mitre. • Makes ditching. • Performs operations of making crossfall (superelevation) on road, laying material, gathering, blending material, engraving soil surface and making refinish (rigging) of the soil. • Changes blade safety lock in case it is broken. • Puts safety chains on tires during snow cleaning. • Adjusts the centre of gravity in a way to stay at safety zone by applying steering frame method at danger zones. • Trops up the blown tire in case of blowout. • 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 grader to flat surface. • Performs shifting the gear to neutral, lowering the blade, locking the brakes and shutting down the electric switchgear operations at the end of the parking. • Cleans the machine during long standing awaitings. • Takes measure to disconnect machine from the ground during long standing awaitings. • Deflates the tires during long standing awaitings. • Greases hydraulic cylinder rods and parts to be greased with grease oil. • Fills fuel tank during long standing awaitings. • Controls all equipment of grader by making standing grader started at regular intervals. • Applies information received from his superior related to the work to be performed by grader 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. • Is sensitive to the environment. • Reduces the exposure of people to minimum at the works at places with intense traffic.
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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 Grader 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 Grader 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/>