

Title	Operate a quad bike on rolling terrain under limited supervision		
Level	3	Credits	4

Purpose	<p>This unit standard is for people working under limited supervision with responsibility for operating a quad bike to carry out work routines, in a primary industry context.</p> <p>People credited with this unit standard are able to operate a quad bike on rolling terrain.</p>
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Classification	Agriculture > Agricultural Vehicles and Machinery
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Available grade	Achieved
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Prerequisites	Unit 24554, <i>Operate a quad bike on flat terrain in the workplace under close supervision</i> , or demonstrate equivalent knowledge and skills.
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Guidance information

1 All evidence presented in this unit standard must be in accordance with:

- Health and Safety at Work Act 2015;
- Land Transport (Driver Licensing) Rule 1999;
- Land Transport (Road User) Rule 2004.

2 Definitions

A *quad bike* means a vehicle, typically used in a rural workplace for off road use, that is fitted with handlebars and thumb operated throttle controls, and has the following features:

- four wheels with low pressure tyres;
- engine capacity not less than 200cc;
- gross weight of less than 1000kg;
- fixed rear axle.

For this standard, a quad bike excludes racing quad bikes or quad bikes modified for other purposes.

Limited supervision refers to the operation of a quad bike under the limited guidance of a supervisor who has the knowledge and experience to ensure that the rider is safe at all times.

3 For the purposes of this unit standard, *rolling terrain* is defined as class D land under the Land Use Capability Classification, which comprises slopes between 16° and 20° (Rolling to strongly rolling). More detail is available from https://www.landcareresearch.co.nz/data/assets/pdf_file/0017/50048/luc_handbook.pdf.

4 For the training and assessment of competency, operation of a quad bike must not exceed a 20° slope.

5 Assessment

Candidate must maintain control of quad bike in five difficult situations for example uphill, downhill, traversing a slope, wet conditions, loose surface conditions, rough terrain.

During assessment, manufacturer's recommendations and legislative requirements for the minimum age of a person driving a quad bike must be complied with and guidance on carrying loads and passengers.

Candidates **must** be wearing a helmet suitable for the activity that either complies with the All Terrain Vehicle helmet standard (NZS 8600:2002) or is a motorcycle helmet approved by New Zealand government regulation.

Assessment should consider the candidate's behaviour while operating a quad bike. Behaviour is defined as a willingness to comply with, and consistent awareness of, safety requirements and workplace procedures. Examples include; wearing a helmet, operating the vehicle in a manner which minimises risk to self and others, avoiding 'no go' areas, and following instructions regarding care and maintenance of vehicles.

6 References

- NZ Transport Agency, Factsheet 19, *All terrain vehicles: registration, licensing and safety*. Available from www.nzta.govt.nz.
- *Guidelines for the Safe Use of Quad Bikes* should be consulted and complied with. These guidelines are available from www.worksafe.govt.nz.
- ACC booklet: *Quad Bike Safety: Tips on how to stay safe*, available from <https://www.acc.co.nz/>.

Outcomes and performance criteria

Outcome 1

Operate a quad bike on rolling terrain.

Performance criteria

1.1 Identify hazards in operating a quad bike and describe the potential risks of harm or illness to people.

Range evidence is required for at least five hazards.

1.2 Identify control measures to eliminate or minimise health and safety risks.

1.3 Plan the route in accordance with the terrain and weather conditions.

1.4 Control the quad bike at all times appropriate to the conditions, and risk of damage to self, others and property is minimised.

Range throttle control, steering, braking, manoeuvrability, gear selection, reversing, parking, forward hill start, change of surface.

1.5 Demonstrate active riding techniques while riding over rolling terrain.

Range weight transfer, stability, body position, balance, head and eye position.

1.6 Maintain traction in difficult situations and recover in situations where loss of traction occurs.

Range situations may include but are not limited to – uphill, downhill, traversing a slope, wet conditions, loose surface conditions, rough terrain;
evidence of five difficult situations is required.

1.7 Dismount and walk quad bike to a safe remounting position with minimal risk of damage to self, others and property.

1.8 Report and/or record accidents or near misses, if any.

1.9 Follow instructions and consistently demonstrate safe riding that complies with safety requirements.

Replacement information	This unit standard and unit standard 24558 replaced unit standard 19058.
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Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	20 May 2008	31 December 2013
Review	2	21 June 2012	31 December 2020
Review	3	28 February 2019	N/A

Consent and Moderation Requirements (CMR) reference	0052
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.