

<b>Title</b>	<b>Operate a quad bike on flat terrain in the workplace under close supervision</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	<p>This unit standard is for people working, or intending to work, in the primary sector.</p> <p>People credited with this unit standard are able to: prepare to ride a quad bike on flat terrain in the workplace; and ride a quad bike on flat terrain in the workplace.</p>
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<b>Classification</b>	Agriculture > Agricultural Vehicles and Machinery
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<b>Available grade</b>	Achieved
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<b>Prerequisites</b>	Unit 24557, <i>Demonstrate knowledge of the safe operation of a quad bike</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, quad bike excludes racing quad bikes or quad bikes modified for other purposes.

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

*Workplace procedures* refer to the verbal or written instructions to staff on policies and procedures for use and safety of vehicles and machinery in the workplace.
  
- 3 For the purposes of this unit standard, *flat terrain* is defined as class A and B land under the Land Use Capability Classification, which comprises slopes between 0 - 7°

(Flat to gently undulating to undulating terrain). More detail is available from [https://www.landcareresearch.co.nz/\\_data/assets/pdf\\_file/0017/50048/luc\\_handbook.pdf](https://www.landcareresearch.co.nz/_data/assets/pdf_file/0017/50048/luc_handbook.pdf).

#### 4 Assessment

Candidate must maintain control of quad bike on three changes of surface for example firm and muddy ground, loose gravel, pasture, undulating race, culvert crossings.

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 or 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.

Candidates **must** have evidence of a **minimum of 20 hours** riding quad bikes, in a workplace situation, over at least a six-week period, covering a range of tasks. This evidence should consist of either a riding logbook, a workplace diary, an attestation from the candidate's employer, or similar.

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.

#### 5 References

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

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## Outcomes and performance criteria

### Outcome 1

Prepare to ride a quad bike on flat terrain in the workplace.

### Performance criteria

- 1.1 Check if manufacturer's specifications and workplace procedures identify suitability of the quad bike for the anticipated activity.

Range intended use, brakes, tyres, configuration, load capacities.

1.2 Carry out vehicle pre-ride safety check in accordance with manufacturer's specifications.

Range vehicle check covers – tyres, wheels, brakes, controls, lights, electrics, oils, fluids, fuel, carry racks, two-wheel drive and/or four-wheel drive, ball joints and CV seals, freedom of movement of handlebars.

1.3 Wear personal protective equipment that is appropriate to the situation in accordance with manufacturer's recommendations.

## Outcome 2

Ride a quad bike on flat terrain in the workplace.

### Performance criteria

2.1 Plan route to meet the requirements of the terrain and weather conditions.

2.2 Control quad bike at all times, traction is maintained, and risk of damage to self, others and property is minimised.

Range throttle control, steering, braking, gear selection, reversing, change of surface.

2.3 Demonstrate active riding techniques.

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

2.4 Demonstrate riding in situations with changes of surface.

Range evidence of three changes of surface is required.

2.5 Park quad bike in a stable condition in accordance with workplace procedures, and any faults are reported or fixed.

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

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

<b>Replacement information</b>	This unit standard and unit standard 24553 replaced unit standard 19056.
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<b>Planned review date</b>	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
Registration	1	22 August 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

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](mailto:standards@primaryito.ac.nz) if you wish to suggest changes to the content of this unit standard.