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| <b>Title</b> | <b>Operate a quad bike with mounted equipment or load under limited supervision</b> |                |          |
| <b>Level</b> | <b>3</b>                                                                            | <b>Credits</b> | <b>3</b> |

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| <b>Purpose</b> | <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 with mounted equipment or a load.</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 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.

*Mounted equipment or a load* refers to equipment or a load which is mounted on the front or rear carriers of a quad bike. The size of the mounted equipment or load must be significant enough to affect the candidate's riding technique. The size and weight of the load must be within manufacturer's specifications and must not impede the candidate's ability to ride actively or abandon the quad bike in an emergency.

Examples of equipment or loads may include but are not limited to – spray tanks, a tool box, fertiliser bags, stock feed.

*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, learner training and assessment of competency for the operation of a quad bike on rolling terrain must not exceed a 20° slope.
- 4 **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 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.

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 [www.nzta.govt.nz](http://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](http://www.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

Operate a quad bike with mounted equipment or a load.

### 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 Secure and make stable mounted equipment or load on the quad bike.
- 1.5 Control quad bike at all times appropriate to the conditions, and risk of damage to self, others and property is minimised.
- Range steering, braking, gear selection, reversing, change of surface.
- 1.6 Maintain the stability of the quad bike and the mounted equipment or load while riding and turning.
- 1.7 Demonstrate active riding techniques while riding.
- Range weight transfer, stability, balance, body position, head and eye position.
- 1.8 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.
- 1.9 Report and/or record accidents or near misses, if any.
- 1.10 Follow instructions and consistently demonstrate safe riding that complies with safety requirements.

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| <b>Replacement information</b> | This unit standard and unit standard 24562 replaced unit standard 19060. |
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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         |
| Review       | 2       | 21 June 2012     | 31 December 2020         |
| Review       | 3       | 28 February 2019 | N/A                      |

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

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**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.