

<b>Title</b>	<b>Demonstrate knowledge of and drive a light 4WD vehicle through a river</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to demonstrate knowledge of driving, and drive, a light 4WD (four-wheel drive) vehicle through a river.
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<b>Classification</b>	Driving > Specialist Driving Knowledge and Skills
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<b>Available grade</b>	Achieved
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<b>Prerequisites</b>	<p>Unit 17976, <i>Demonstrate knowledge of operating a light 4WD vehicle in an off-road environment</i>; and Unit 17978, <i>Operate a light 4WD vehicle in an off-road environment</i>, or demonstrate equivalent knowledge and skills.</p> <p>Candidates must hold the appropriate licence for the type of vehicle driven.</p>
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### Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable company requirements and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 2 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the:
  - Health and Safety at Work Act 2015; and any subsequent amendments and replacements.
- 3 Definitions

*Company requirements* refer to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions, product quality specifications and legislative requirements.

*Light 4WD vehicle* means any four-wheel vehicle with a gross laden weight less than 3500kg and capable of having motive power applied simultaneously to all four wheels. It does not include an all-terrain vehicle.
- 4 This unit standard must be assessed in an environment that includes a river-crossing suitable for the light 4WD vehicle being driven in accordance with manufacturers' specifications.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of driving a light 4WD vehicle through a river.

#### Performance criteria

- 1.1 Methods of determining maximum river depth, flow and bottom composition are described.
- 1.2 Identification of possible hazards and precautions to be taken before entering river are described.
- 1.3 Components of vehicle to be inspected pre-drive are described.
- 1.4 4WD driver responsibilities are described.
- Range 4WD engaged, low range, seatbelts, windows, momentum, post-drive vehicle check.
- 1.5 4WD driving techniques in rivers are described.
- Range driving – with current, against current, across current, entry and exit.

### Outcome 2

Drive a light 4WD vehicle through a river.

#### Performance criteria

- 2.1 Pre-drive check of vehicle and equipment is carried out.
- 2.2 River hazards are identified by inspection, and entry and exit points are identified that minimise risk to driver, occupants (if applicable), vehicle and equipment.
- 2.3 Entry, traverse, and exit from river is completed without damage to vehicle and equipment.
- 2.4 Post-drive vehicle check is carried out at completion of the river-crossing.
- Range braking, lights, tyres, underbody, under bonnet.

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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	28 March 2019	N/A
Revision	2	23 July 2020	N/A

**Consent and Moderation Requirements (CMR) reference**

0014

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact MITO New Zealand Incorporated [info@mito.org.nz](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.