

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

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

off-road means a surface other than a sealed or unsealed, formed road or track and includes but is not limited to bush tracks, beaches, river beds and open paddocks;

on-road means a sealed or unsealed, formed road or track;

Service information may include – technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

- 4 This unit standard will be assessed in an environment that includes a river-crossing suitable for the light 4WD vehicle being driven in accordance with the manufacturers specifications.

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

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

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	2018	N/A

Consent and Moderation Requirements (CMR) reference	0014
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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 MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.