

Title	Demonstrate knowledge and skills for driving on a road for endorsement W (wheels)		
Level	3	Credits	3

Purpose	<p>This unit standard meets the minimum requirements of Waka Kotahi NZ Transport Agency for people who intend applying for a W (wheels) endorsement to their driver licence so they will become legally entitled to drive special-type wheeled vehicles on roads.</p> <p>People credited with this unit standard are able to: describe a special-type wheeled vehicle and the legal requirements relating to driving the vehicle on a road; describe driving procedures and general considerations for driving a special-type wheeled vehicle safely on a road; and demonstrate procedures for driving a special-type wheeled vehicle safely and legally on a road.</p>
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Classification	Driving > Driver Licence Endorsements
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Available grade	Achieved
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Guidance Information

- 1 The following legislation and code must be complied with:
 - Health and Safety at Work 2015;
 - Land Transport Act 1998;
 - Road User Charges Act 2012;
 - Land Transport (Driver Licensing) Rule 1999;
 - Land Transport (Road User) Rule 2004;
 - Land Transport Rule: Tyres & Wheels 2001;
 - Land Transport Rule: Vehicle Dimensions and Mass 2016;
 - *Heavy vehicle road code*;
 - *Managing work site traffic – Good practice guidelines 2021*;
 - *Road user charges 2020*; both available from <https://www.nzta.govt.nz/resources/>, and all subsequent amendments and replacements.

- 2 Where a roll-over protection (ROP) structure is fitted, a seat belt must be worn. Where a ROP structure is not fitted, there must be clear access out of the operator compartment.

3 Definitions

Industry requirements refer to relevant policies, processes, methodologies, industry codes of practice, site specific health and safety plans, standard operating procedures, site safety plans, quality plans, work plans, traffic management plans, contract work programmes, job safety analysis, safe work method statements, job instructions, manufacturer's requirements, contract specifications, manuals, procedural documents and Waka Kotahi New Zealand Transport Agency specifications and guidelines.

Road refers to the definition in the Land Transport Act 1998 which includes:

- a street; and
- a motorway; and
- a beach; and
- a place to which the public have access, whether as of right or not; and
- all bridges, culverts, ferries, and fords forming part of a road or street or motorway, or a place referred to in paragraph d; and
- all sites at which vehicles may be weighed for the purposes of the Act or any other enactment.

4 Manufacturer's instructions for the operation of special-type vehicles are to be followed. Where manufacturer's specifications, handbooks, manuals, or the current version of the *Operator's Safety Manual Earthmoving Machinery* (available from Connexis Infrastructure ITO) are not available, assessors should use organisational procedures in their place.

5 Where the outcome of the assessment of this unit standard is a W driver licence endorsement, the assessment must be conducted by a Waka Kotahi NZ Transport Agency approved course provider / assessor using assessment material specifically approved for the purpose by Waka Kotahi NZ Transport Agency and Connexis Infrastructure ITO.

6 The assessment of Outcome 3 is to be conducted in a controlled off-road environment. This may include roads or areas safe to drive on, but closed to the general public.

7 Persons seeking credit for this unit standard must hold the appropriate class of licence for the gross vehicle mass of the vehicle being used for the assessment in accordance with Schedule 3 of the Land Transport (Driver Licensing) Rule 1999.

Where the assessment is to be conducted on a vehicle requiring a Class 1 full licence, the assessment may be undertaken on a current New Zealand Class 1 restricted licence or current overseas equivalent to New Zealand Class 1 full licence. However, applicants are unable to apply for a 'W' endorsement until a New Zealand Class 1 full licence is held.

Outcomes and performance criteria

Outcome 1

Describe a special-type wheeled vehicle and the legal requirements relating to driving the vehicle on a road.

Performance criteria

- 1.1 Description identifies different types of special-type wheeled vehicles.
- Range vehicles may include but are not limited to – scraper, excavator, wheeled loader, grader; evidence of three vehicles is required.
- 1.2 Description includes the driver licensing requirements for a W endorsement in accordance with the Land Transport (Driver Licensing) Rule.
- Range requirements include – class of licence, expiry of endorsement.
- 1.3 Description includes the parking of special-type wheeled vehicles in terms of road traffic law.
- Range lighting requirements when parked on the road at night, vehicle position on the road.
- 1.4 Description identifies speed limits in all speed zones in accordance with clause 5.5(2) of the Land Transport (Road User) Rule 2004 for heavy special-type wheeled vehicles.
- 1.5 Description identifies the requirements for special-type wheeled vehicles to operate where they may cause damage to roads, bridges, or culverts in accordance with clause 2.3(18) of the Land Transport Rule: Tyres & Wheels 2001.

Outcome 2

Describe driving procedures and general considerations for driving a special-type wheeled vehicle safely on a road.

Performance criteria

- 2.1 Description explains general considerations affecting the safe driving of a special-type wheeled vehicle on a gradient.
- Range driving axle at rear of the machine, attachments forward and close in, attachments close to the ground, steepness of gradient.
- 2.2 Description identifies environmental factors affecting the safe driving of a special-type wheeled vehicle on a road.
- Range weather, other road users, road conditions, light.

2.3 Description includes precautions to reduce risks associated with driving a special-type wheeled vehicle on a road.

Range precautions may include but are not limited to – temporary signs, assistance with traffic control, cones, travel at appropriate speed, avoiding peak traffic, rotating beacons, lighting for low light and/or night conditions; evidence of five precautions is required.

Outcome 3

Demonstrate procedures for driving a special-type wheeled vehicle safely and legally on a road.

Performance criteria

3.1 Demonstration includes a pre-start check of the vehicle to ensure it can be driven safely and legally on a road.

3.2 Demonstration includes correct position of attachments while driving.

Range bucket or bowl in carry position, or blade in roading position, in accordance with manufacturer's instructions.

3.3 Demonstration is carried out with control of the vehicle and includes forward travel, turning, and reversing (using rear vision mirrors where fitted).

3.4 Demonstration includes parking and shutdown procedure.

Range parked with parking brake applied; if applicable, attachments lowered to the ground; engine shut down.

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	30 August 1999	31 December 2017
Review	2	28 January 2002	31 December 2017
Review	3	11 December 2009	31 December 2017
Review	4	21 April 2016	N/A
Revision and Rollover	5	28 October 2021	N/A

Consent and Moderation Requirements (CMR) reference	0101
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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 Connexis - Infrastructure Industry Training Organisation qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.