

<b>Title</b>	<b>Demonstrate knowledge of special-type vehicles used on an infrastructure worksite</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to describe: special-type vehicles; describe driving procedures and general considerations for driving special-type vehicles safely on an infrastructure worksite.
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<b>Classification</b>	Infrastructure Works > Generic Infrastructure Works
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<b>Available grade</b>	Achieved
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## Guidance Information

- 1 Learning and assessment for this unit standard must be in accordance with the following:
  - Health and Safety at Work Act 2015;
  - Land Transport (Driver Licensing) Rule 1999;
  - and all subsequent amendments and replacements.
  
- 2 Definitions
 

*Infrastructure worksite* refers to a site with activity relating to the construction, testing, and maintenance of infrastructure assets such as roads, passenger transport facilities, and public utilities.

*Organisational procedures* refer to instructions to staff and procedures which are documented in memo or manual format and are available in the workplace. These procedures include but are not limited to – site-specific procedures, manufacturers' specifications, codes of practice, traffic management plans, health and safety plans, contract work programmes, product quality specifications and reference to legislative or regulatory procedures relevant to the industry.

*Special-type vehicles* refer to vehicles that run on rollers, self-laying tracks, or vehicles that run on wheels that aren't forklifts, passenger vehicles, tractors, fire engines, trade vehicles or vehicle recovery service.

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## Outcomes and performance criteria

### Outcome 1

Describe special-type vehicles used on an infrastructure worksite.

**Performance criteria**

- 1.1 Different types of special-type vehicles are described in terms of their use on an infrastructure worksite.
- Range scraper, excavator, digger, loader, grader, off-highway trucks, rollers, skid steer loaders, crawler tractor.
- 1.2 Driver licensing requirements are described in accordance with the Land Transport (Driver Licensing) Rule 1999.
- 1.3 Parking of special-type vehicles is described in terms of road traffic law.
- Range lighting requirements when parked on a road at night, vehicle position on the road.
- 1.4 Speed limits in all speed zones for wheeled, tracked or roller type vehicles are described in accordance with organisational procedures.
- 1.5 Requirements for special-type vehicles to operate are described in terms of the damage they might cause to infrastructure road surface, bridges or culverts.

**Outcome 2**

Describe driving procedures and general considerations for driving special-type vehicles safely on an infrastructure worksite.

**Performance criteria**

- 2.1 General considerations affecting the safe driving of a special-type vehicle on a gradient are described in terms of organisational procedures.
- Range for a wheeled vehicle – driving axle at rear of the machine, attachments forward and close in, attachments close to the ground, steepness of gradient;  
for a roller vehicle – always facing uphill with the driving wheels to the rear of the machine, poor traction of steel drum rollers on slopes;  
for a tracked vehicle – driving sprockets at rear of the machine, attachments forward and close in, attachments close to the ground, steepness of gradient.
- 2.2 Worksite conditions that affect the safe driving of a special-type vehicle are described in accordance with organisational procedures.
- Range weather, other vehicles, workers, ground conditions, light.

2.3 Precautions to reduce risks associated with driving a special-type vehicle are described in accordance with organisational procedures.

Range may include but is 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 a minimum of five precautions is required.

2.4 Procedures for alighting the special-type vehicle safely are described in accordance with the operator manual.

<b>Planned review date</b>	31 December 2025
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 June 2020	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:qualifications@connexis.org.nz) if you wish to suggest changes to the content of this unit standard.