

Title	Describe the legal requirements and implications for loading and towing a simple light trailer		
Level	3	Credits	3

Purpose	People credited with this unit standard are able to describe: legal requirements for towing a simple light trailer; manoeuvring implications of towing a simple light trailer; loading, weight transfer, and traction in relation to towing a simple light trailer.
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Classification	Driving > Driver Educator
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Available grade	Achieved
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Guidance Information

- References are available from the Accident Compensation Corporation, the Ministry of Transport, the Waka Kotahi NZ Transport Agency (NZTA), and other transport agencies.
- The legal requirements relevant to this unit standard include:
Land Transport Act 1998;
Land Transport Amendment Act 2015;
Land Transport (Road User) Rule 2004;
Land Transport Rule: Light-vehicle Brakes 2002;
Land Transport Rule: Tyres and Wheels 2001;
Land Transport Rule: Vehicle Lighting 2004;
Land Transport Rule: Vehicle Equipment 2004.
- Any new, amended, or replacement Acts, Regulations, Rules, Standards, Codes of Practice, or NZTA requirements or conditions affecting the outcome of this unit standard will take precedence for assessment purposes, pending review of this unit standard.
- Definitions
A simple light trailer is a trailer that has a gross vehicle mass not exceeding 3.5 tonnes (class TB) and does not have a draw bar steered axle.
Low speed for the purposes of this unit standard is under 10 km/h.
At speed for the purposes of this unit standard is between 60 and 90 km/h.

Outcomes and performance criteria

Outcome 1

Describe legal requirements for towing a simple light trailer.

Performance criteria

1.1 The legal requirements for towing a simple light trailer are described.

Range tow bar, coupling, electrical connection, trailer warrant of fitness, trailer registration, dimensions (including rear and front overhangs), lighting, tyres, inter-vehicle spacing, outside turning circle, speed, projecting loads.

Outcome 2

Describe manoeuvring implications of towing a simple light trailer.

Performance criteria

2.1 The relationship between wheel-base of a towing vehicle and drawbar length is described in terms of the effect on the manoeuvring characteristics of both vehicles when reversing with a simple light trailer.

2.2 Manoeuvring capability of a single axle simple light trailer being reversed is described in comparison to a tandem axle light trailer being reversed, in terms of turning and sideways traction.

2.3 The effects of speed on the tracking behaviour of a simple light trailer at speed and at low speed are described.

2.4 Visibility restrictions when towing and reversing a simple light trailer and strategies for overcoming these restrictions are described.

Range trailer and load dimensions, road contours.

Outcome 3

Describe loading, weight transfer, and traction in relation to towing a simple light trailer.

Performance criteria

3.1 The effects of load distribution on the dynamics of the towing vehicle are described.

Range traction, steering.

3.2 The implications for loss of control and load shift are described.

Range braking, decelerating, accelerating, cornering whilst towing a simple light trailer at speed, trailer swing, trailer instability.

3.3 The effects on braking and decelerating of towing a simple light trailer using a trailer brake are described.

Range over-run brake, service brake.

- 3.4 The importance of load security as it relates to simple light trailers in terms of trailer and load behaviour are described.

Planned review date	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	6 May 1999	31 December 2023
Review	2	28 July 2003	31 December 2023
Review	3	16 April 2010	31 December 2023
Review	4	28 April 2022	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 Hanga-Aro-Rau Manufacturing, Engineering, and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.