

<b>Title</b>	<b>Demonstrate knowledge of loading principles and procedures for commercial road transport</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 loading principles and procedures for commercial road transport.
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<b>Classification</b>	Commercial Road Transport > Commercial Road Transport Skills
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<b>Available grade</b>	Achieved
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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;
  - Land Transport Act 1998;
  - Heavy Motor Vehicle Regulations 1974;
  - Land Transport (Driver Licensing) Rule 1999;
  - Land Transport (Driver Licensing) Amendment Rule 2006;
  - Land Transport Rule: Heavy Vehicles 2004;
  - Land Transport (Road User) Rule 2004;
  - Land Transport Rule: Vehicle Dimensions and Mass 2016;
  - Land Transport NZ Factsheets, 13a (*Heavy Rigid Vehicles*), 13c (*Towing and Trailers: full, semi, simple, pole, A- and B-train*);
  - 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, industry standards, codes of practice, work instructions, product quality specifications and legislative requirements.

*Documentation* includes Dangerous Goods declarations, proof of delivery dockets (POD), written delivery instructions.

*Load planning* means the load arrangement (includes recognising symbols on freight) and/or distribution, ie order of loading and unloading.

*Load platform* is the part of the vehicle designed to carry goods.

*Load restraint* refers to methods of securing loads to prevent load movement during deceleration in forward or rearward direction, during cornering or while travelling over undulating roads. Normally provided by anchor points, baulking arrangements securely attached to the vehicle, or direct or indirect restraint between the load and the load platform.

*Load securing devices* are certified and rated items used to secure loads and may include clamps, special bolts, steel wire rope, chains, webbing straps, rope, cordage made from natural or synthetic fibres, certified curtains, head/side boards, and tensioners.

*SRT* means static roll threshold which is the measure of the likelihood of the vehicle rolling over sideways. Vehicles with a low SRT are more likely to roll over when going around sharp bends and in sudden emergency manoeuvres.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of loading principles and procedures for commercial road transport.

#### Performance criteria

- 1.1 The legal requirements for load positioning, weight distribution, and load restraint are explained.
- Range load positioning – placement on vehicle and load platform, SRT, axle loading;  
load restraint – anchor points, type and suitability of restraint, restraint values, calculation of restraint value, load securing devices, serviceability of load restraint system.
- 1.2 Legal penalties are identified in terms of vehicle and load non-compliance.
- 1.3 Load planning is explained.
- Range loading and unloading locations, characteristics of the load, the use of materials handling equipment, unloading sequence.
- 1.4 Safety procedures related to loading and unloading are described.
- Range position of driver during loading and unloading, selection of materials handling equipment, use of Personal Protective Equipment, site-specific requirements.
- 1.5 Documentation relating to a delivered load is explained.

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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	16 April 2015	31 December 2020
Review	2	28 March 2019	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.