

Title	Demonstrate knowledge of loading principles and procedures for commercial road transport		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to demonstrate knowledge of loading principles and procedures for commercial road transport.
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Classification	Commercial Road Transport > Commercial Road Transport Skills
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Available grade	Achieved
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Guidance Information

- 1 Legislation, regulations, references 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;
 - Waka Kotahi New Zealand Transport Agency. Factsheets 13a (*Heavy Rigid Vehicles*), 13c (*Towing and Trailers: full, semi, simple, pole, A- and B-train*). Available from: <https://www.nzta.govt.nz/resources/>.

Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

2 Definitions

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

Load planning refers to the load arrangement (includes recognising symbols on freight) and/or distribution, i.e., 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 refer to 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 refers to 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.

Workplace procedures refer to organisation policies and procedures that are documented in memo, electronic, or manual format and available in the workplace. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, manufacturer's requirements, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor's instructions, and procedures to comply with legislative and local body requirements relevant to the commercial road transport sector.

3 Assessment information

Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, workplace procedures and legislative requirements.

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.

Planned review date	31 December 2028
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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	31 December 2025
Review	3	29 June 2023	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.