

<b>Title</b>	<b>Transport bulk non-flammable liquids by road</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard, in the transportation of bulk non-flammable liquids by road, are able to: prepare for a trip; load the vehicle; drive the vehicle; and unload the vehicle at the customer's site. They will also be able to describe actions to be taken in the event of mishaps.
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<b>Classification</b>	Commercial Road Transport > Goods Service
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<b>Available grade</b>	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:

- Food Act 2014;
- Health and Safety at Work Act 2015;
- Land Transport Act 1998;
- Land Transport (Driver Licensing) Rule 1999;
- Land Transport Rule: Dangerous Goods 1999;
- Resource Management Act 1991.

Any new, amended, or replacement Acts, regulations, Rules, standards, codes of practice, or NZ Transport Agency Waka Kotahi requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

- 2 Definitions

*Local authority requirements* include by laws, regulations, conditions pertaining to permitted activities or any other stipulations determined by regional, city or district councils.

*Special driving techniques* include accelerating slowly, avoiding braking in turns, avoiding heavy braking, and turning at safe speeds for the load. This is to minimise surge of the liquid load.

*Workplace procedures* refers 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.

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## Outcomes and performance criteria

### Outcome 1

Prepare for a trip to transport bulk non-flammable liquids by road.

#### Performance criteria

- 1.1 Bulk non-flammable liquid to be carried is identified.
- 1.2 Vehicle tank is prepared to meet customer requirements for the product to be carried.  
  
Range must include – rinse, and one of – wash, wash and dry.
- 1.3 Cleaning waste is disposed of in accordance with local authority requirements.
- 1.4 Cleaning is undertaken to meet customer requirements.  
  
Range may include – use of steps, ladders, handrails, and protective clothing.
- 1.5 Vehicle hygiene is maintained.
- 1.6 Equipment to be used for loading and unloading is selected to be compatible with vehicle and customer facilities.
- 1.7 Loading preparations are undertaken to be consistent with customer documentation for bulk non-flammable liquid product type and quantity and loading and delivery instructions.

### Outcome 2

Load the vehicle to transport bulk non-flammable liquids by road.

#### Performance criteria

- 2.1 Products are segregated into compartments, where necessary, in accordance with customer requirements.
- 2.2 Load volumes and distribution are checked to ensure they are within legal tolerances for the vehicle's axle and gross loadings.
- 2.3 Product quantity and quality are checked to meet customer requirements.

2.4 Loading hygiene is maintained.

Range no spillages or pollution; connections, valves and lids secured.

2.5 Loading is completed safely.

Range may include – use of ladders, steps and handrails, security of connections, wearing of safety footwear and clothing.

### Outcome 3

Drive the vehicle to transport bulk non-flammable liquids by road.

#### Performance criteria

3.1 Vehicle is driven to the delivery site in accordance with the special driving techniques required for the type of bulk non-flammable liquid.

### Outcome 4

Unload the vehicle at the customer's site.

#### Performance criteria

4.1 Vehicle is positioned at the specified location to maximise safety and convenience.

4.2 Products are segregated.

4.3 Unloading hygiene is maintained.

Range no spillages or pollution.

4.4 Product is unloaded safely.

Range may include – use of ladders, steps and handrails, security of connections, wearing of safety footwear and clothing.

4.5 Unloaded product quantity and quality are checked to meet customer requirements.

4.6 Delivery documentation is completed in accordance with customer requirements.

### Outcome 5

Describe actions to be taken in the event of mishaps.

**Performance criteria**

5.1 Actions taken in the event of mishaps at company site, customer site, and on the road are described.

Range leaks, spillages, crashes.

<b>Planned review date</b>	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	9 April 1996	31 December 2022
Review	2	25 May 1999	31 December 2022
Review	3	22 March 2005	31 December 2022
Review	4	29 April 2021	31 December 2025
Review	5	30 November 2023	N/A
Review	6	26 April 2024	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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 the Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to the content of this unit standard.