

Title	Transport bulk dry goods by heavy motor vehicle		
Level	3	Credits	6

Purpose	People credited with this unit standard are able to: describe types of bulk dry goods; prepare a vehicle for the transport of bulk dry goods; prepare the site and vehicle for the loading of bulk dry goods; load bulk dry goods; secure the site and vehicle after loading; record the weight of the load; drive a heavy vehicle loaded with bulk dry goods onto a property with restricted access; and make preparations and unload bulk dry goods from a heavy motor vehicle and restore the site and vehicle after unloading.
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Classification	Commercial Road Transport > Goods Service
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Available grade	Achieved
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Prerequisites	Candidates must hold a minimum of the class of licence required for the vehicle being driven and comply with the requirements of the Land Transport (Driver Licensing) Rule 1999.
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Guidance Information

- 1 Acts, regulations, Rules, and codes to be complied with include:
 Road User Charges Act 1977;
 Land Transport Act 1998;
 Land Transport (Driver Licensing) Rule 1999;
 Land Transport Rule: Dangerous Goods 2005;
 Heavy Motor Vehicle Regulations 1974;
The Official New Zealand Truck Loading Code – Code of Practice for the Safety of Loads on Heavy Vehicles, available from [Waka Kotahi NZ Transport Agency](#);
 Health and Safety at Work Act 2015;
 Road User Charges Act 2012.
- 2 Any new, amended, or replacement Acts, regulations, Rules, standards, codes of practice, or Waka Kotahi NZ Transport Agency requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.
- 3 Definitions
 The *Code* means *The Official New Zealand Truck Loading Code – Code of Practice for the Safety of Loads on Heavy Vehicles*.

Industry best practice means an industry accepted method of achieving a high standard of outcome that meets industry needs and represents value for money.

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

Organisational requirements include any legal requirements, standards, codes of practice, organisational and/or site policies and procedures, industry best practice, and manufacturers' instructions. These must be available to candidates, providers, and assessors.

Properties means, as applicable, the piece size and shape, viscosity, fibre length, volume to weight ratio. Special notice should be made of any qualities that relate to dangerous goods including toxicity, or to any substance that may be spontaneously combustible. It does not include other chemical properties.

Restricted access means any area that is designed for the unloading of bulk dry goods and is not readily accessible to the public.

Site requirements are specific to each individual site and reflect the physical characteristics of the site and organisational requirements of both the site owner and transport operator.

- 4 Where manufacturer's specifications, instructions, or manuals are not available, assessors should use organisational requirements in their place.

Outcomes and performance criteria

Outcome 1

Describe types of bulk dry goods.

Range includes four of – wood chip, wood shavings, bark, grain, sawdust, flour, peat, sand, cement, urea, lime, sand, nitrogenous fertilisers, superphosphate.

Performance criteria

1.1 Bulk dry goods are described in accordance with the properties of each of the goods.

Range granular size, flow rates, adhesiveness, absorption, flammability.

Outcome 2

Prepare a vehicle for the transport of bulk dry goods.

Performance criteria

2.1 All ancillary loading and unloading equipment is inspected for serviceability and any faults are remedied or reported in accordance with organisational requirements.

Range may include– augers, hoses, discharge arms, pumps, hydraulic cylinders, moving floors, drive chains, drive belts and their covers, spinners, blowers, wheel loader, hoist controls.

- 2.2 Equipment and associated manuals are inspected for serviceability and availability in the vehicle as required by legal and organisational requirements.

Range may include – company driver handbook/s, onsite procedures manual, communications equipment, tools, first aid kit, fire extinguisher, bungee pole, torch, broom, shovel, high visibility vest, hard hat, safety gloves, face mask, safety glasses, safety boots.

Outcome 3

Prepare the site and vehicle for the loading of bulk dry goods.

Performance criteria

- 3.1 Site is inspected for hazards and action taken to minimise identified hazards in accordance with site or organisational requirements.

Range hazards may include – slippery footing, overhead clearance, bridges, ramps, obstructions, electric cables, other vehicles, soft ground, manoeuvrability constraints, pedestrians, animals, dust, fumes, uneven ground.

- 3.2 Location of the loading point is ascertained according to site requirements.

- 3.3 The vehicle is positioned at the loading site in preparation for loading in accordance with loading requirements.

- 3.4 Security of all loading containment equipment is checked and adjusted to meet organisational and loading requirements.

Range may include – load platform doors, hatches, curtains, covers.

- 3.5 Load platform is inspected and cleared of any contaminants in readiness to receive goods.

Outcome 4

Load bulk dry goods.

Performance criteria

- 4.1 Product is checked for compliance with customer order.

- 4.2 Loading equipment is inspected for compatibility with the vehicle.

- 4.3 Loading is directed and monitored from a safe position in accordance with site safety and organisational requirements.

- 4.4 The vehicle is loaded within the legal axle and gross vehicle weights.

Outcome 5

Secure the site and vehicle after loading.

Performance criteria

- 5.1 The vehicle is inspected after loading for loose debris and any loose debris is removed.
- 5.2 The site is inspected for spillage and appropriate action taken in accordance with organisational requirements.
- 5.3 Site equipment is secured in accordance with organisational requirements.
- 5.4 The load is covered as required and secured in accordance with the Code.

Outcome 6

Record the weight of the load.

Performance criteria

- 6.1 The weight of the load and the loaded vehicle is calculated correctly and recorded in accordance with organisational requirements.
- 6.2 Documentation is completed in accordance with site requirements and delivery instructions or organisational requirements.

Outcome 7

Drive a heavy vehicle loaded with bulk dry goods onto a property with restricted access.

Performance criteria

- 7.1 The vehicle is driven on the road in accordance with legal requirements.
- 7.2 The vehicle is driven onto a site with restricted access in accordance with organisational and site requirements.

Outcome 8

Make preparations and unload bulk dry goods from a heavy motor vehicle and restore the site and vehicle after unloading.

Performance criteria

- 8.1 Site is located and inspected for hazards, and action is taken to minimise any hazards.
- Range hazards may include– slippery footing, overhead clearance, bridges, ramps, obstructions, electric cables, other vehicles, soft ground, manoeuvrability constraints, pedestrians, animals, dust, fumes, uneven ground, gradient.
- 8.2 The vehicle is driven onto the site and positioned in accordance with requirements of unloading equipment or dumping area.
- 8.3 Vehicle stability is maintained throughout the unloading operation.
- 8.4 Goods are unloaded in accordance with organisational and customer requirements.
- 8.5 Vehicle is inspected after unloading for loose debris and any loose debris is removed in accordance with organisational requirements.
- 8.6 On completion of unloading, any residues of goods are cleared from the vehicle in accordance with organisational requirements.
- 8.7 Any doors, hatches, or covers are secured.
- 8.8 Vehicle is prepared for travel from the site in accordance with organisational requirements.
- 8.9 Site is inspected for spillage and appropriate action (if required) is taken to rectify in accordance with site and organisational requirements.
- 8.10 Documentation is completed in accordance with site requirements and delivery instructions or organisational requirements.

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	22 September 2000	31 December 2022
Review	2	22 March 2005	31 December 2022
Review	3	29 April 2021	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 the MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.