

<b>Title</b>	<b>Demonstrate and apply knowledge of law and practice for the transport of Dangerous Goods by road</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	<p>The purpose of this unit standard is to specify the knowledge and skills required to safely transport Dangerous Goods by road.</p> <p>These knowledge and skills are also relevant to people working in the road transport industry such as loaders handling Dangerous Goods.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> <li>– identify the scope of the Rule;</li> <li>– identify driver and loader responsibilities relating to the transport of Dangerous Goods;</li> <li>– identify and explain documentation requirements relating to the transport of Dangerous Goods;</li> <li>– identify the requirements for packages containing Dangerous Goods in Limited Quantities (DGLQ), consumer commodities, small packages, and excepted packages;</li> <li>– demonstrate knowledge of segregation requirements and segregate Dangerous Goods;</li> <li>– demonstrate knowledge of placarding requirements and placard vehicles and freight containers containing Dangerous Goods; and</li> <li>– identify driver actions and considerations in the event of an incident or emergency.</li> </ul>
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<b>Classification</b>	Driving > Driver Licence Endorsements
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<b>Available grade</b>	Achieved
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**Explanatory notes**

1 Definitions

*Cleaned* means for all dangerous goods, that the container is free of dangerous residue of the substance to the satisfaction of the relevant regulatory authority;

*Dangerous Goods* are substances or articles specified in table A of the Land Transport Rule: Dangerous Goods 2005;

*Driver* and *loader* can be the same person. There are responsibilities attached to both roles that are combined if a driver loads his/her own vehicle;

*Relevant regulatory authority* means the New Zealand authority having statutory control over a particular class of Dangerous Goods, such as the Ministry of Health, the National Radiation Laboratory, or the Environmental Risk Management Authority;

*Segregate* means loading specified Dangerous Goods in separate freight containers or on separate vehicles, or separating them horizontally by at least three metres from other specified goods on the same vehicle;

*Special marks* means any of the following marks or symbols on packaging, containers, vehicles, portable tanks, or freight containers:

- (a) the elevated temperature mark;
- (b) the environmentally hazardous substance mark; or
- (c) orientation arrows.

- 2 Legal and regulatory requirements relevant to this unit standard include:  
Health and Safety in Employment Act 1992;  
Hazardous Substances and New Organisms Act 1996 (HSNO);  
Land Transport Act 1998;  
Land Transport Rule: Dangerous Goods 2005 (the Rule);  
NZS 5433 Parts 1 and 2:2007 Transport of dangerous goods on land;  
International Air Transport Association (IATA) Dangerous Goods Regulations;  
International Maritime Dangerous Goods (IMDG) Code;  
Dangerous Goods - Initial Emergency Response Guide SAA/SNZ HB 76:2010.
- 3 For assessment purposes, any new or replacement Acts, regulations, Rules, standards, codes of practice, or NZTA requirements or conditions will take precedence, pending the review of this unit standard.
- 4 People who want to assess against this unit standard to qualify candidates for driver licence endorsement D (Dangerous Goods) must be registered with the New Zealand Transport Agency (NZTA) as Approved Course Providers and use assessment material that has been pre-approved by the NZTA and NZ Motor Industry Training Organisation (Incorporated).
- 5 Once candidates have achieved credit for this unit standard, and received an NZTA course completion certificate, the candidate may then apply to an NZTA driver licensing agent to have a D endorsement (Dangerous Goods) added to their driver licence. The Recognition of Current Competency (RCC) assessment process does not apply to this unit standard.
- 6 All evidence presented for assessment must be in accordance with the Rule.
- 7 Use of reference material is permitted during assessment.
- 8 Assessment tasks for outcome 3 must consist of written questions that must be read and answered in writing by the candidate.

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## Outcomes and evidence requirements

### Outcome 1

Identify the scope of the Rule.

#### Evidence requirements

1.1 Identify the classes and divisions of Dangerous Goods (excluding divisions of Class 1 Explosives) included in the Rule.

Range name, class and division number, class label, type of hazard.

1.2 Identify the limitations of the D endorsement.

Range Class 1 Explosives, class 7 radioactive materials, Dangerous Goods in bulk.

1.3 Identify the requirements covering empty receptacles that have contained Dangerous Goods.

Range empty uncleaned, empty cleaned.

### Outcome 2

Identify driver and loader responsibilities relating to the transport of Dangerous Goods.

#### Evidence requirements

2.1 Identify driver responsibilities relating to the transport of Dangerous Goods.

Range vehicle parking, load security, stopping at level crossings, documentation, emergency response information, D endorsement, vehicle placarding, segregation, responsibilities in the event of an incident or emergency.

2.2 Identify loader responsibilities relating to the transport of Dangerous Goods.

Range checking packages before loading, segregation, load security, documentation, vehicle placarding.

### Outcome 3

Identify and explain documentation requirements relating to the transport of Dangerous Goods.

#### Evidence requirements

- 3.1 Identify and explain the purpose of Dangerous Goods documentation.
- Range Dangerous Goods declaration, DGLQ declaration, consumer commodities declaration, load plan, schedule of quantities, container/vehicle packing certificate, emergency response information, maritime declaration, IATA declaration.
- 3.2 Identify the circumstances when documents must be carried on a vehicle.
- Range Dangerous Goods declaration, load plan, container/vehicle packing certificate, emergency response information.
- 3.3 Identify the location requirements of Dangerous Goods documentation.
- Range carried in vehicles, disconnected trailers.

### Outcome 4

Identify the requirements for packages containing Dangerous Goods in Limited Quantities (DGLQ), consumer commodities, small packages, and excepted packages.

#### Evidence requirements

- 4.1 Identify the vehicle load limits for small packages and excepted packages.
- 4.2 Identify the marking requirements for packages containing DGLQ, consumer commodities, small packages, and excepted packages.

### Outcome 5

Demonstrate knowledge of segregation requirements and segregate Dangerous Goods.

#### Evidence requirements

- 5.1 Explain segregation dispensations.
- Range gas cylinders, aerosols, explosives of division 1.4.
- 5.2 Identify the circumstances when approved segregation devices may be used.
- 5.3 Segregate Dangerous Goods.
- Range primary risk, subsidiary risk, using a segregation device, strong acids and strong alkalis, acids and cyanides, food items.

**Outcome 6**

Demonstrate knowledge of placarding requirements and placard vehicles and freight containers containing Dangerous Goods.

**Evidence requirements**

- 6.1 Identify the threshold quantities when placarding is required.
- 6.2 Identify the circumstances when placards must be removed or covered.
- 6.3 Placard vehicles and freight containers carrying Dangerous Goods.  
  
 Range            placards include but are not limited to – Dangerous Goods placards, special marks, mixed loads, emergency information panel;  
                          vehicles and freight containers include – rigid vehicle, combination vehicle, tank wagon, disconnected trailer, portable tank, freight container.

**Outcome 7**

Identify driver actions and considerations in the event of an incident or emergency.

**Evidence requirements**

- 7.1 Identify driver actions in the event of an incident or emergency.  
  
 Range            may include but is not limited to – isolating the vehicle, securing the scene, offering assistance, retrieval of documents, contacting emergency services, provision of information for emergency services, reporting.
- 7.2 Identify driver considerations in the event of an incident or emergency.  
  
 Range            includes but is not limited to – the effects of wind, location of bystanders, the effects of low lying areas.

<b>Planned review date</b>	1 November 2015
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	23 July 1999	31 December 2011
Review	2	27 August 2002	31 December 2011
Review	3	25 July 2006	31 December 2011
Review	4	19 November 2010	N/A

<b>Accreditation and Moderation Action Plan (AMAP) reference</b>	0092
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This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Please note**

Providers must be granted consent to assess against standards (accredited) by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Consent requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

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**Comments on this unit standard**

Please contact NZ Motor Industry Training Organisation (Incorporated) [info@mito.org.nz](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.