

## Meet Approved Handler requirements for the transport of bulk hazardous substances by road

**Level** 4

**Credits** 6

**Purpose** This unit standard is for the drivers of road transport vehicles that transport bulk hazardous substances and are required, under the Hazardous Substances and New Organisms (HSNO) Act 1996, to be Approved Handlers for the classifications of hazardous substances that they transport.

People credited with this unit standard are able to: demonstrate knowledge of HSNO legislation for the handling, use, and control of hazardous substances; demonstrate knowledge required of an Approved Handler for the bulk hazardous substance being transported by road; and transfer a bulk hazardous substance to and from a road transport vehicle.

**Subfield** Commercial Road Transport

**Domain** Goods Service

**Status** Registered

**Status date** 20 November 2009

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**Entry information** Open.

**Accreditation** Evaluation of documentation and visit by NZQA, industry and NZ Transport Agency.

**Standard setting body (SSB)** NZ Motor Industry Training Organisation (Incorporated)

**Accreditation and Moderation Action Plan (AMAP) reference** 0092

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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## Special notes

- 1 Achievement of this unit standard can be used as evidence towards Approved Handler certification. Approved Handler test certificates are issued only by Test Certifiers appointed under HSNO legislation. Test certification requirements are described in the Hazardous Substances and New Organisms (Personnel Qualifications) Regulations 2001. For further information visit: <http://www.ermanz.govt.nz>.
- 2 Where, for the transport of bulk gases, an Approved Handler must also be an Approved Filler, additional questions must be answered by the candidate to meet the requirements of Clause 60 of the Hazardous Substances (Compressed gases) Regulations 2004. For further information visit: <http://www.ermanz.govt.nz>.
- 3 Legal and formal requirements relevant to this unit standard include:  
Hazardous Substances and New Organisms Act 1996 (HSNO Act);  
Health and Safety in Employment Act 1992;  
Land Transport Act 1998;  
Hazardous Substances (Classes 1 to 5 Controls) Regulations 2001;  
Hazardous Substances (Classes 6, 8, and 9 Controls) Regulations 2001;  
Hazardous Substances (Classification) Regulations 2001;  
Hazardous Substances (Compressed Gases) Regulations 2004;  
Hazardous Substances (Emergency Management) Regulations 2001;  
Hazardous Substances (Identification) Regulations 2001;  
Hazardous Substances and New Organisms (Personnel Qualifications) Regulations 2001;  
Hazardous Substances (Tank Wagons and Transportable Containers) Regulations 2004;  
Hazardous Substances (Tracking) Regulations 2001;  
Land Transport Rule: Dangerous Goods 2005;  
NZS 5433: 2007 *Transport of dangerous goods on land*;  
Tank wagon code for corrosives and poison 1995;  
*Code of Practice for Filling of Below Ground Petrol Tanks by Pumping*,  
Environmental Risk Management Authority (ERMA) (Wellington: ERMA, 2006);  
*Code of Practice for Flammable Gas and Oxygen Tank Wagons*, Environmental Risk Management Authority (ERMA) (Wellington: ERMA, 2008);  
*Code of Practice for Flammable Liquids Tank Wagons*, Environmental Risk Management Authority (ERMA) (Wellington: ERMA, 2007).
- 4 Any new, amended or replacement Acts, regulations, Rules, standards, codes of practice, or NZ Transport Agency requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.
- 5 Reference  
*A Guide to the Hazardous Substances & New Organisms Act*, Environmental Risk Management Authority (ERMA) (Wellington: ERMA, 2006). Available from <http://www.ermanz.govt.nz>.

6 Definitions

*Approved Filler* means a person who is approved by a test certifier to fill pressurised containers with compressed gases;

*Approved Handler* means a person who is approved by a test certifier to handle nominated hazardous substances;

*ERMA* is the Environmental Risk Management Authority New Zealand;

*operating equipment* includes all pumps, valves, controls, hoses and connections, materials handling equipment, safety equipment and personal protective equipment used in the transfer of hazardous substances to and from any storage facility and road transport vehicle;

*organisational requirements* include any legal requirements, standards, codes of practice, company and/or site procedures, industry best practice and manufacturer's instructions. These must be available to candidates, providers and assessors;

*test certificates* mean certificates issued by a test certifier;

*test certifier* means a person approved by ERMA to certify that the requirements of the HSNO Act have been met;

*transported* means the loading, transport, and discharge of the hazardous substance.

- 7 If the candidate is transporting more than one bulk hazardous substance in the same trip, they must be able to demonstrate the appropriate knowledge and skills for each substance.

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## Elements and performance criteria

### Element 1

Demonstrate knowledge of HSNO legislation for the handling, use, and control of hazardous substances.

#### Performance criteria

- 1.1 The relationship between specific legal and formal requirements that governs the handling, use, and control of hazardous substances by drivers is described.
- Range HSNO Act, Hazardous Substances Regulations, Dangerous Goods Rule, approved codes of practice.
- 1.2 The purpose and principles of the HSNO Act are described in relation to the handling, use, and control of hazardous substances.
- 1.3 The hazard classification system is described in relation to the control of hazardous substances.
- Range properties, numbered classes, numbered sub-classes, letter categories.
- 1.4 Approved Handler obligations and liabilities are described in accordance with the HSNO (Personnel Qualifications) Regulations 2004.
- Range general duties, offence and defence provisions, penalties and liabilities, rights of appeal, effects of compliance orders, conditions of test certificates.

## Element 2

Demonstrate knowledge required of an Approved Handler for the bulk hazardous substance being transported by road.

### Performance criteria

- 2.1 Hazard classification of the hazardous substance being transported is identified in accordance with HSNO Regulations.
- Range UN classifications, HSNO classifications.
- 2.2 Approved Handler certificate conditions that apply to the hazardous substance being transported are described.
- 2.3 Approved Codes of Practice that apply to the hazardous substance being transported are identified.
- 2.4 Adverse effects of the hazardous substance being transported and the precautions required to eliminate or minimise these effects are described in accordance with organisational requirements.
- Range injury to people, damage to the environment.
- 2.5 Controls that apply to the hazardous substance being transported are identified in accordance with the HSNO Act.
- Range may include – flammable, toxic, ecotoxic, identification, packaging, disposal, emergency management, tracking, Approved Handler certification.
- 2.6 Procedures to be adopted in the event of an incident or emergency involving the hazardous substance being transported are described in accordance with organisational requirements.
- Range fire, loss of containment, breakdown, road crash.

## Element 3

Transfer a bulk hazardous substance to and from a road transport vehicle.

### Performance criteria

- 3.1 Operating equipment is inspected for state of repair, security, and availability. Any non-complying equipment is repaired, replaced, or reported in accordance with organisational requirements.
- 3.2 Bulk hazardous substance is transferred safely to a road transport vehicle using operating equipment in accordance with organisational requirements.

- 3.3 Bulk hazardous substance is transferred safely from a road transport vehicle using operating equipment in accordance with organisational requirements.
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**Please note**

Providers must be 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 accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation 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 the 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.