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| <b>Title</b> | <b>Demonstrate knowledge of dangerous goods for cargo operations</b> |                |          |
| <b>Level</b> | <b>3</b>   | <b>Credits</b> | <b>3</b> |

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| <b>Purpose</b> | <p>This unit standard is for foremen, supervisors, and planners working in cargo operations.</p> <p>People credited with this unit standard are able to demonstrate knowledge of dangerous goods for cargo operations.</p> |
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| <b>Classification</b> | Stevedoring and Ports Industry > Cargo Operations |
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| <b>Available grade</b> | Achieved |
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### Explanatory notes

- 1 Compliance requirements include but are not limited to – Health and Safety in Employment Act 1992, Hazardous Substances and New Organisms Act 1996, General Harbour (Ship, Cargo, and Dock Safety) Regulations 1968, IMDG Code, Part 24a Maritime Rule, and port bylaws.
- 2 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
- 3 References  
IMDG (International Maritime Dangerous Goods) Code, current amendment, published by the International Maritime Organisation, [www.imo.org](http://www.imo.org).  
76:1997 (SAA/SNZ HB) Dangerous Goods – Initial Emergency Response Guide.  
5433F:1999 (NZS) NZ Dangerous Goods Declaration Form.
- 4 Definition  
*Company policies and procedures* refers to relevant workplace documents which are current and accessible to candidates, trainers, and assessors, and which comply with legal requirements.

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### Outcomes and evidence requirements

#### Outcome 1

Demonstrate knowledge of dangerous goods for cargo operations.

#### Evidence requirements

- 1.1 Dangerous goods are identified in terms of classes and additional hazards, and their labelling and compatibility.

Range classes – classes 1-9, including sub-classes;  
additional hazards – marine pollutant, elevated temperature,  
fumigation warning.

1.2 Dangerous goods classifications are explained in terms of hazards and effects, consistent with Chapter 2 of the IMDG Code.

Range explanation covers physical, chemical, and toxicological properties.

1.3 Primary and subsidiary risk labelling is explained in terms of relative risk. Subsidiary risks are identified by reference to dangerous goods documentation.

1.4 The IMDG Code Dangerous Goods List is used to identify dangerous goods by Proper Shipping Name, special segregation requirements, class number or additional hazard, and United Nations (UN) number, and to identify information regarding relevant emergency procedures.

1.5 Types of dangerous goods documentation requirements are explained in terms of their purpose.

Range includes but is not limited to – dangerous goods declaration, container or vehicle packing certificate, competent authorities' approval.

1.6 Packaging and stowage requirements for three different examples of dangerous goods are identified with reference to the IMDG Code.

Range type of package, marking and labelling, segregation; may include – UN marking, limited quantities.

1.7 For a specified port, the scope and inclusions of any sections of port bylaws referring to dangerous goods are summarised.

1.8 Description of safe handling for dangerous goods is consistent with company policies and procedures.

Range includes but is not limited to – use of handling equipment, use of appropriate signage and barriers, personal protective equipment, no smoking precautions, maintaining non-necessary personnel away from working areas, avoidance of exposure to hazards presented by the dangerous goods.

1.9 Examples of special risks to dangerous goods cargo operations due to other operations are identified. The examples are explained in terms of the risk and control of the risk.

- 1.10 Description of procedures for responding to an emergency involving dangerous goods is consistent with company policies and procedures.
- Range includes but is not limited to the use of – the emergency sections of the IMDG Code, Dangerous Goods Initial Response Emergency Guide.
- 1.11 Description of procedure for reporting breaches involving dangerous goods is consistent with company policies and procedures.

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| <b>Planned review date</b> | 31 December 2020 |
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#### Status information and last date for assessment for superseded versions

| Process      | Version | Date              | Last Date for Assessment |
|--------------|---------|-------------------|--------------------------|
| Registration | 1       | 25 February 2003  | N/A                      |
| Review       | 2       | 17 September 2015 | N/A                      |

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| <b>Consent and Moderation Requirements (CMR) reference</b> | 0145 |
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This CMR 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, 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.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR 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.

#### Comments on this unit standard

Please contact the SSB [ssb@email.address](mailto:ssb@email.address) if you wish to suggest changes to the content of this unit standard.