

<b>Title</b>	<b>Use machinery on board a vessel for cargo operations</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	People credited with this unit standard are able to: use machinery to load cargo on a vessel; use machinery to move cargo on a vessel for a crane to pick it up; and use machinery on a vessel to break up and position bulk dry cargo for loading through a hopper.
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<b>Classification</b>	Stevedoring and Ports Industry > Port Machinery Operations
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<b>Available grade</b>	Achieved
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<b>Entry information</b>	
<b>Critical health and safety prerequisites</b>	Class/es of driver licence for machinery used, and driver licence endorsement/s, are required.

**Explanatory notes**

- 1 Compliance requirements include but are not limited to - Health and Safety in Employment Act 1992, General Harbour (Safe Working Load) Regulations 1982, and General Harbour (Ship, Cargo, and Dock Safety) Regulations 1968.
- 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 **Definitions**  
*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.  
*Machinery*, for the purpose of this unit standard, may include but is not limited to front end loader, excavator, and bulldozer. It does not include forklift or other lift truck, crane, or a towing unit (truck, tug, or tractor).  
*Crane*, for the purpose of this unit standard, may include but is not limited to - ship's crane, ship's gantry, swinging derrick, union purchase, and shore based crane or gantry.
- 4 Personal protective equipment must be used throughout operations in accordance with company policies and procedures.

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## Outcomes and evidence requirements

### Outcome 1

Use machinery to load cargo on a vessel.

Range on deck, below deck.

#### Evidence requirements

- 1.1 Communications are established and maintained with the relevant personnel directing and carrying out operations.
- 1.2 Machinery is operated in a safe and efficient manner in accordance with company policies and procedures.
- 1.3 Where practicable, loads are placed in the designated position in stowage area on first attempt.
- 1.4 Cargo is stowed as directed by the person in charge.

### Outcome 2

Use machinery to move cargo on a vessel for a crane to pick it up.

#### Evidence requirements

- 2.1 Cargo is removed from under combing into a position where the crane operator can reach and pick it up efficiently and safely, without dragging or damage to cargo or equipment or harm to people.
- 2.2 Cargo is pulled down at the standing face in a safe and controlled manner in accordance with company policies and procedures.
- 2.3 Cargo is moved from pickup and discharge points safely and efficiently in accordance with company policies and procedures.

### Outcome 3

Use machinery on a vessel to break up and position bulk dry cargo for loading through a hopper.

#### Evidence requirements

- 3.1 Communication with the crane operator is maintained throughout the operation in accordance with company policies and procedures.
- 3.2 Machinery is operated in a safe and efficient manner in accordance with company policies and procedures.

- 3.3 The cargo is broken up and positioned to facilitate efficient loading into, and movement through, the hopper, in accordance with the capabilities and limitations of the hopper, and the flow and handling characteristics of the cargo.

<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	26 November 1997	N/A
Revision	2	23 April 1999	N/A
Revision	3	10 April 2000	N/A
Review	4	26 July 2003	N/A
Rollover and Revision	5	17 September 2015	N/A

<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.