

Title	Use machinery on board a vessel for cargo operations		
Level	3	Credits	6

Purpose	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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Classification	Stevedoring and Ports Industry > Port Machinery Operations
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Available grade	Achieved
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Prerequisites	Class/es of driver licence for machinery used, and driver licence endorsement/s, are required.
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Guidance Information

- Legislative and regulatory requirements relevant to this unit standard include – Health and Safety at Work Act 2015;
Approved Code of Practice for Health and Safety in Port Operations, available at [Health and safety in port operations | WorkSafe](#);
New Zealand Port and Harbour Marine Safety Code, available at [New Zealand Port and Harbour Marine Safety Code - Maritime NZ](#);
IMDG (International Maritime Dangerous Goods) Code, available at www.imo.org.
- 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.
- Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with company requirements, legislative requirements and regulatory requirements.
- Definitions
Company requirements refer to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions and legislative 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.

Regulatory requirements refer to regulations set by but not limited to the New Zealand Customs Service, Ministry for Primary Industries and WorkSafe New Zealand.

Outcomes and performance criteria

Outcome 1

Use machinery to load cargo on a vessel.

Range on deck, below deck.

Performance criteria

- 1.1 Communications are established and maintained with the relevant personnel directing and carrying out operations.
- 1.2 Machinery is operated.
- 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.

Performance criteria

- 2.1 Cargo is removed from under combing into a position where the crane operator can reach and pick it up.
- 2.2 Cargo is pulled down at the standing face.
- 2.3 Cargo is moved from pickup and discharge points.

Outcome 3

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

Performance criteria

- 3.1 Communication with the crane operator is maintained throughout the operation.
- 3.2 Machinery is operated.
- 3.3 The cargo is broken up and positioned to facilitate efficient loading into, and movement through, the hopper.

Planned review date	31 December 2024
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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	31 December 2023
Revision	2	23 April 1999	31 December 2023
Revision	3	10 April 2000	31 December 2023
Review	4	26 July 2003	31 December 2023
Rollover and Revision	5	17 September 2015	31 December 2023
Review	6	24 February 2022	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 Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.