

Title	Operate a towing unit in a port environment		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to: describe factors affecting the operation of a towing unit in a port environment; prepare for operations with a towing unit; move trailer units for vessel exchange with a towing unit; and shut down a towing unit and report any defects.
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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 vehicle/s used, any applicable 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.
Towing unit refers to a prime mover such as truck, tug, or tractor.
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

Describe factors affecting the operation of a towing unit in a port environment.

Performance criteria

- 1.1 Factors that impact on the safe speed and manoeuvring of a towing unit and trailers in a port terminal environment are described.

Range surface, weather, visibility, obstructions, other area users, vehicle capabilities, load, speed limits.
- 1.2 Company requirements to be followed when a breakdown occurs and when an emergency occurs are described.
- 1.3 Towing unit components, gauges, controls, and their functions are described.
- 1.4 Company radio channel allocations for working, emergency, and any others that may apply are described.
- 1.5 Terminal layout and storage positions are described.
- 1.6 Roll-on roll-off vessel layout and manoeuvring requirements are described.

Outcome 2

Prepare for operations with a towing unit.

Performance criteria

- 2.1 A pre-operational check is completed.
- 2.2 Start up procedures are completed.
- 2.3 As required, communications are established with other personnel involved in operations.

Range communications may include – radio, hand signals, voice.
- 2.4 Work area hazards are identified before operations start.

Outcome 3

Move trailer units for vessel exchange with a towing unit.

Performance criteria

3.1 Trailer units are coupled to the towing unit.

Range alignment of couplings, parking brakes (if fitted), connection of lines (where required), test of trailer systems, stowage of landing legs (if fitted).

3.2 Trailer units are moved on and off a vessel as part of a vessel exchange.

Range forward, reverse.

3.3 Trailer units are positioned as directed by the person in charge of the operation.

Range on a vessel, in the yard or truck loading area.

3.4 Trailer units are uncoupled from the towing unit.

Range parking brakes (if fitted), disconnection and stowage of lines (where required), stowage of landing legs (if fitted).

Outcome 4

Shut down a towing unit and report any defects.

Performance criteria

4.1 Prior to shut down, towing unit is parked in the designated area.

4.2 Towing unit is shut down.

4.3 Any towing unit defects are reported.

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.