

<b>Title</b>	<b>Operate a towing unit in a port environment</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	<p>This unit standard is for people who operate a towing unit to move trailers on and off vessels.</p> <p>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.</p>
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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 vehicle/s used, any applicable 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  
*Towing unit* refers to a prime mover such as truck, tug, or tractor.  
*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.  
*Hazards* refers to situations and conditions presenting actual or potential risk including but not limited to - risk of harm to persons and/or environment, risk of damage to property and/or process, and exposure to financial loss.
- 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

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

#### Evidence requirements

- 1.1 Description identifies and explains factors that impact on the safe speed and manoeuvring of a towing unit and trailers in a port terminal environment.  
  
Range includes but is not limited to - surface, weather, visibility, obstructions, other area users, vehicle capabilities, load, speed limits.
- 1.2 Description includes company procedures to be followed when a breakdown occurs and when an emergency occurs.
- 1.3 Description includes towing unit components, gauges, controls, and their functions.
- 1.4 Description includes the company radio channel allocations for working, emergency, and any others that may apply.
- 1.5 Description includes terminal layout and storage positions.
- 1.6 Description includes roll-on roll-off vessel layout and manoeuvring requirements.

### Outcome 2

Prepare for operations with a towing unit.

#### Evidence requirements

- 2.1 A pre-operational check is completed in accordance with company policies and procedures.
- 2.2 Start up procedures are completed in accordance with manufacturer's instructions and company policies and procedures.
- 2.3 As required, communications are established with other personnel involved in operations in accordance with company policies and procedures.  
  
Range communications may include but are not limited to - 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.

**Evidence requirements**

3.1 Trailer units are coupled to the towing unit in accordance with company policies and procedures.

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 in a safe and efficient manner without causing damage to vessel, vehicles, and cargo, or harm to personnel, in accordance with company policies and procedures.

Range forward, reverse.

3.3 Trailers units are positioned in a safe and efficient manner and as directed by the person in charge of the operation.

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

3.4 Trailers units are uncoupled from the towing unit in accordance with company policies and procedures.

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.

**Evidence requirements**

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

4.2 Towing unit is shut down in accordance with manufacturer’s specifications and in accordance with company policies and procedures.

4.3 Any towing unit defects are reported in accordance with company policies and procedures.

<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

**Consent and Moderation Requirements (CMR) reference**

0145

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.