

Title	Demonstrate knowledge of the safe operation of heavy port machinery		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to demonstrate knowledge of the safe operation of heavy port machinery.
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Classification	Stevedoring and Ports Industry > Port Machinery Operations
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Available grade	Achieved
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Explanatory notes

- Legislation and formal requirements relevant to this unit standard may include the following Acts and Regulations:

 - Health and Safety at Work Act 2015;
 - *Approved Code of Practice for Health and Safety in Port Operations* available at <http://www.worksafe.govt.nz>;
 - General Harbour (Ship, Cargo, and Dock Safety) Regulations 1968 available at http://www.nzlii.org/nz/legis/num_reg/ghcadsr1968463/;
 - International Maritime Dangerous Goods Code available from <http://www.imo.org>;
 - Part 24a Maritime Rule available from <http://www.maritimenz.govt.nz/rules/part-24A/>, and port bylaws.

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.
- 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.
- Range**

This standard is for heavy port machinery that exceeds 10 tonne working load capacity.
Evidence is required for three machines of a different make or model.
- Competence in this standard is not a licence to operate. Machine-specific licencing and induction is required.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of the safe operation of heavy port machinery.

Evidence requirements

- 1.1 Machinery controls are identified in accordance with manufacturer specifications.
- 1.2 Functions of the machinery that contribute to safe operation and load stability are described.
- 1.3 Effects of different environments on the safe working limits of the machinery are described.
- 1.4 Requirements to safely operate machinery in a port operations environment are explained.
- Range company policy and procedures, legislation, manufacturer specifications and training processes.
- 1.5 Factors that impact on the safe operation of machinery in a port operations environment are identified and explained.
- Range factors include environmental risks and operational risks.
- 1.6 Procedures to be followed for machinery failure and emergency situations are described in accordance with company policies and procedures.
- 1.7 Communication protocols and procedures for working and emergency situations are described in accordance with company policies and procedures.
- 1.8 Operational boundaries and machinery parking protocol are explained in accordance with company policies and procedures.

Planned review date	31 December 2022
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	17 September 2015	31 December 2019
Review	2	18 May 2017	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>.

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 (CMRs). 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 NZ Motor Industry Training Organisation (Incorporated) (MITO) info@mito.org.nz if you wish to suggest changes to the content of this unit standard.