

Title	Demonstrate knowledge of the characteristics of, and operations in a port environment		
Level	3	Credits	10

Purpose	People credited with this unit standard are able to demonstrate knowledge of: common roles, equipment and operational areas in a port environment; port operations; the potential negative impact on people and the environment from port operations; and traffic management plans at port environments.
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Classification	Stevedoring and Ports Industry > Cargo Operations
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Available grade	Achieved
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Explanatory notes

- 1 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>;
Biosecurity Act 1993;
Customs and Excise Act 1996;
Resource Management Act 1991;
Hazardous Substances and New Organisms Act 1996;
Maritime Security Act 2004.
- 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 Definition
Company policies and procedures refer to relevant workplace documents which are current and accessible to candidates, trainers, and assessors, and which comply with legal requirements.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of common roles, equipment and operational areas in a port operations environment.

Evidence requirements

1.1 Common roles are described.

Range at least five of – Security Officer, Hatchman, Crane Operator, Straddle Operator, Foreman/Foreperson, Labour Allocator, Stevedore, Marshaller, Checkpoint Operator, Tally, Yardie/Yard Person, Lasher, Linesman, Machine Operator, Digger Operator, General Duties, Reefer Care, Gate Clerk, Ship Planner, Rail Admin, Bosun, Super Cargo.

1.2 Common machinery and equipment are identified and their uses are described.

Range at least five of – straddle, reefer stacker, reefer block, cranston, gangway, reach stacker, Wagner, dunnage, fork hoist, web slings, empty stacker, container spreaders, top lifter, pellet, gantry crane, mobile harbour crane, jiffy, mafi truck, hopper, butting tractor, log bunk, pivot steer, Portainer/terminal cranes, log trucks, container trucks, grab, pedestal crane, excavator/digger, easy loader.

1.3 Operational areas are identified and the main activities that happen there are described.

Range at least three of – berth/shipside, container terminal, log yard, checkpoint, warehouse, cool store, security entry, depot, in-land port.

Outcome 2

Demonstrate knowledge of port operations.

Evidence requirements

2.1 Service providers and port users within a port operations environment are identified.

2.2 Vessel types that operate out of the port are described and the type of cargo they carry is identified.

Range at least three of – bulk, roll on roll off (RORO), container, tankers, break bulk, reefers, cruise liners.

2.3 Equipment or machinery used on different vessel types with different cargo are identified.

Range may include – straddle, reefer stacker, reefer block, cranston, gangway, reach stacker, Wagner, dunnage, fork hoist, web slings, empty stacker, container spreader, top lifter, pellet, gantry crane, mobile harbour crane, jiffy, mafi, hopper, butting tractor, log bunk, pivot steer, Portainer/terminal cranes, log trucks, container trucks, grab.

Outcome 3

Demonstrate knowledge of the potential negative impact on people and the environment from port operations.

Evidence requirements

3.1 Impacts of port operations on people and the environment are described.

Range at least three of – dust, logs, oil spill, lighting, noise, fumigant.

Outcome 4

Demonstrate knowledge of the traffic management plan in a port operations environment in accordance with company policies and procedures.

Evidence requirements

4.1 Entry requirements for vehicles accessing a port are described.

4.2 Restrictions on traffic operating in a port operations environment are described.

Range direction, restricted areas, speed limits.

Replacement information	This unit standard replaced unit standard 28899.
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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	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.