

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

Purpose	<p>People credited with this unit standard are able to: demonstrate knowledge of common roles, equipment and operational areas in a port environment; and port operations.</p> <p>They are also able to describe: the potential negative impact on people and the environment from port operations; and traffic management plan in a port operations environment.</p>
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Classification	Stevedoring and Ports Industry > Cargo Operations
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Available grade	Achieved
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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 <https://www.worksafe.govt.nz/>;
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;
 Biosecurity Act 1993;
 Customs and Excise Act 2018;
 Resource Management Act 1991;
 Hazardous Substances and New Organisms Act 1996;
 Maritime Security Act 2004.
- 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.

4 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.

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

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

Performance criteria

1.1 Common roles are described.

Range 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;
evidence of five are required.

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

Range 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;
evidence of five are required.

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

Range may include – berth/shipside, container terminal, log yard, checkpoint, warehouse, cool store, security entry, depot, in-land port;
evidence of three are required.

Outcome 2

Demonstrate knowledge of port operations.

Performance criteria

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

Describe the potential negative impact on people and the environment from port operations.

Performance criteria

3.1 Potential negative impacts of port operations on people and the environment are described.

Range dust, logs, oil spill, lighting, noise, fumigant; evidence of three are required.

Outcome 4

Describe the traffic management plan in a port operations environment.

Performance criteria

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.

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	18 May 2017	31 December 2024
Review	2	24 February 2022	N/A
Revision	3	30 November 2023	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.