

<b>Title</b>	<b>Demonstrate knowledge of vessel types and their cargo carrying capabilities</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to demonstrate advanced knowledge of vessel types and their cargo carrying capabilities
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<b>Classification</b>	Stevedoring and Ports Industry > Cargo Operations
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation and formal requirements relevant to this unit standard may include the following Acts and Regulations:  
 Health and Safety in Employment Act 1992;  
*Approved Code of Practice for Health and Safety in Port Operations* available at <http://www.business.govt.nz/worksafe/information-guidance/all-guidance-items/port-operations-code-of-practice-for-health-and-safety-in>;  
 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 Definitions  
*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.  
*Panamax* is a term for the size limit applied to ships transiting the Panama canal.  
*TEU* twenty-foot equivalent unit; a unit of cargo capacity used to describe the capacity of container ships based on a twenty foot container.  
*ULCC* ultra large crude carrier  
*VLCC* very large crude carrier.
- 4 Range  
 Vessel types include but are not limited to – bulk cargo carriers, roll-on roll-off (RORO), container (feeder, Panamax, post-Panamax, super- post-Panamax), tanker (ULCC, VLCC), multi-purpose, heavy-lift, refrigerated (reefer), cruise ships, livestock.

## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of vessel types and their cargo carrying capabilities.

### Performance criteria

- 1.1 Vessel types are identified and described in terms of physical features.
- Range may include but not limited to – hull, holds, tanks, securing systems, equipment.
- 1.2 Vessel types are identified and described in terms of cargo carrying capabilities and attributes.
- Range capabilities may include but not limited to – general cargo, dry bulk cargo, liquid cargo, perishable commodities, multi-purpose vessels; attributes may include but not limited to – capacity, cargo protection, speed and effectiveness of loading/unloading of goods, crew requirements.
- 1.3 Vessel types are described in terms of typical size.
- Range tonnage, length, beam, draft, TEU.
- 1.4 Vessel types are described in terms of berthing requirements in accordance with company policies and procedures.
- 1.5 Vessel types are described in terms of loading and unloading requirements in accordance with company policies and procedures.

**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	17 September 2015	31 December 2022
Review	2	29 July 2021	31 December 2022

<b>Consent and Moderation Requirements (CMR) reference</b>	0145
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.