

Title	Plan the loading of a vessel and use a cargo management system to load a vessel		
Level	5	Credits	20

Purpose	People credited with this unit standard are able to plan the loading of a vessel and use a cargo management system to load a vessel.
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Classification	Stevedoring and Ports Industry > Cargo Operations
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Available grade	Achieved
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Guidance Information

- 1 Legislation and formal requirements relevant to this unit standard may include the following Acts or 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 **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.
Cargo management systems are computer-based. They may range from customised spreadsheets to complex software tools depending on the port and cargo.
- 4 Range – Five vessels

Outcomes and performance criteria

Outcome 1

Plan the loading of a vessel.

Performance criteria

- 1.1 Port plant resources required to load a vessel are determined in accordance with vessel loading requirements and company policies and procedures.
- 1.2 Port plant resources are scheduled in accordance with vessel loading requirements and company policies and procedures.
- 1.3 Cargo stowage requirements are identified and cargo stowage is planned according to company policies and procedures.
- 1.4 Vessel cargo loading constraints are identified and incorporated in the plan.
- 1.5 Cargo segregation requirements are identified and planned for and incorporated in the plan.
- 1.6 Planned deck weights are within vessel strength and stability parameters.
- 1.7 Planned tank top loadings or container pile weights are within vessel strength and stability parameters.

Outcome 2

Use a cargo management system to load a vessel.

Performance criteria

- 2.1 Deck weights are monitored during loading in accordance with the vessel loading plan.
- 2.2 Cargo weight variations are accommodated in accordance with loading requirements and the vessel loading plan.
- 2.3 Cargo stowage densities are monitored and adjusted where necessary in accordance with loading requirements and the vessel loading plan.

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

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