

Title	Demonstrate knowledge of port cargo logistics		
Level	5	Credits	10

Purpose	People credited with this unit standard are able to demonstrate advanced knowledge of port cargo logistics, port and terminal types and distribution.
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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 Definitions
RORO roll on, roll off.
Incoterms International Commercial Terms. A series of pre-defined commercial terms published by the International Chamber of Commerce (ICC) that are widely used in international commercial transactions or procurement processes.
IMDG Code International Maritime Dangerous Goods Code.
ISO ratings International Shipping Organization container ratings system.
Logistics planning, organisation and management of activities that provide goods and services to consumers.

- 2 Competence in the outcomes of this unit standard may be demonstrated using a case study or on-job scenario.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of port cargo logistics.

Performance criteria

- 1.1 Chartering terms are explained in terms of liability, ownership, and responsibility for cargo, vessels and equipment.

Range	explanation to cover – Incoterms, damaged cargo, ship damage, insurance, evidence gathering, documentation and reports, dispatch, demurrage, dwell time, port charges (deadweight, gross tonnage), berthage fees, marine charge, wharfage.
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- 1.2 Cargo types are explained in terms of handling, stowage, care, and segregation requirements.

Range cargo types include but are not limited to –
container – ISO rating, size, type; types include – refrigerated, dry, over height, high cube, flat rack, food grade, heavy rated;
breakbulk – logs, pulp, timber, paper, steel, palletised, unitised, ingots;
bulk – coal, grain, cement, fertiliser, sand, salt, urea, palm kernel, sugar, gypsum, wood chip, scrap metal;
bulk liquid – petroleum, oil, molasses, wine, water, rum, tallow, chemicals, gas (LPG/CNG);
specialised – project cargo, hazardous (IMDG code), explosive, refrigerated;
livestock;
passengers;
RORO.

Outcome 2

Demonstrate knowledge of port and terminal types and distribution.

Range port and terminal types include but are not limited to – hubs, off-port depots, log yards/log storage yards, bulk storage yards, container terminals, liquid terminals, passenger terminals, RORO terminals, customs bonded areas, security.

Performance criteria

2.1 Port and terminal types are explained in terms of their purpose, advantages, and disadvantages.

2.2 Port and terminal stakeholders are identified and how and why they use the facilities is explained.

Range includes but is not limited to – user groups, operators.

2.3 Knowledge of cargo flow constraints through the supply chain of ports and terminals is demonstrated for a port.

2.4 Knowledge of the use of logistics technology used in the supply chain of ports and terminals is demonstrated for a port.

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>.

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