

Title	Demonstrate knowledge of and sling vessel loads, and assist with crane lifts in a marine application		
Level	3	Credits	15

Purpose	<p>This unit standard is for people working in a commercial seafood operation.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of slinging vessel loads for lifting; prepare and sling vessel loads for lifting; and communicate during lifting operations in a marine application.</p>
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Classification	Seafood > Seafood Vessel Operations
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Available grade	Achieved
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Guidance Information

- 1 All evidence presented in this unit standard must be in accordance with:
 - Workplace procedures;
 - Approved Code of Practice for Cranes, and/or the Approved Code of Practice for Load lifting Rigging and/or the LEENZ Code of Practice for the Safe Use of Lifting Equipment;
 - Crane Safety Manual, available from <http://shop.cranes.org.nz/>;
 - Hazardous Substances and New Organisms Act 1996;
 - Health and Safety at Work Act 2015;
 - Maritime Transport Act 2013;
 - Resource Management Act 1991; and any subsequent amendments.

- 2 Definitions

Crane has the same meaning as given in the Health and Safety in Employment (Pressure Equipment, Cranes, and Passenger Ropeways) Regulations 1999, and in this unit standard is limited to equipment with current certification used in a marine application, such as hydraulic knuckleboom cranes, winch operated fixed and sliding boom cranes, and lifting appliances

Hand signals in the seafood industry are similar to those in *PCA Crane Safety Manual*, with the exception that many two handed signals are replaced with single handed alternatives.

Marine application refers to a crane being used to transfer loads to or from a vessel on the water.

Vessel refers to a vessel that is operating a Maritime Operator Safety System (MOSS) that is recognised by Maritime New Zealand and meets the requirements of the Maritime Transport Operator Certificate and/or Plan.

Vessel loads may include any product or item usually loaded onto or off the vessel. *Workplace procedures* refer to the policies and procedures set out in a verbal or written form by the employer or organisation. Procedures must be consistent with current legislative requirements and manufacturer's recommendations or instructions where relevant.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of slinging vessel loads for lifting.

Performance criteria

1.1 Describe the purpose and use of different types of lifting equipment.

Range may include but is not limited to – ropes, chains, web slings, lifting beams, spreader bars, slings, shackles, eye bolts, lifting devices, tag lines;
evidence of five types is required.

1.2 Identify signs of damage to lifting gear and describe the system for reporting damage.

Range ropes, hammerlocks, slings, shackles, drum clamps, lifting devices.

Outcome 2

Prepare and sling vessel loads for lifting.

Performance criteria

2.1 Prepare the vessel load.

2.2 Identify hazards and potential hazards related to slinging loads and take measures to eliminate, isolate or minimise the hazards.

Range selection of preparatory site, load security, personal safety, lifting gear assessment.

2.3 Select the lifting equipment and apply the applicable slinging method and lifting gear to the load.

Range may include but is not limited to – ropes, chains, synthetic slings, lifting beams, spreader bars, slings, shackles, eye bolts, lifting devices, tag lines;
evidence of two is required.

Outcome 3

Communicate during lifting operations in a marine application.

Performance criteria

3.1 Use hand signals for cranes and lifting appliances.

Range hand signals are clear and visible at all times, operations are stopped immediately if signals misunderstood.

3.2 Give clear instructions to the crane driver during the lift.

Range may include but is not limited to – electrical devices, verbal; evidence of one is required.

Planned review date	31 December 2028
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 December 2006	31 December 2019
Review	2	11 December 2009	31 December 2019
Review	3	24 January 2019	N/A
Rollover	4	29 February 2024	N/A

Consent and Moderation Requirements (CMR) reference	0123
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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 the Muka Tangata - People, Food and Fibre Workforce Development Council qualifications@mukatangata.nz if you wish to suggest changes to the content of this unit standard.