

Title	Describe and work with ropes, chains, and related fittings used for commercial fishing activities		
Level	3	Credits	6

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 describe: the construction and handling of rope; and chains and related fittings used for commercial fishing activities, and the requirements for maximising the working life of chains and fittings.</p> <p>They are also able to: identify signs of potential failure in ropes; splice a rope; apply a chain stopper on a wire rope, under supervision; and identify the main components of fishing gear from a diagram.</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;
 - Fisheries Act 1996;
 - Health and Safety at Work Act 2015;
 - Maritime Transport Act 1994;
 and any subsequent amendments.

- 2 Definitions

Commercial fishing activities refers to commercial fishing using 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.

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

Describe the construction and handling of rope used for commercial fishing activities, and identify signs of potential failure in ropes.

Range rope may include but is not limited to – wire, natural fibre, synthetic fibre; evidence of one is required.

Performance criteria

1.1 Describe the main characteristics and uses of rope commonly for commercial fishing activities.

Range may include but is not limited to – six strand, three strand, right hand lay, left hand lay.

1.2 Identify signs of potential failure in rope.

Range may include but is not limited to – sprags, weak points at the end of the eye, visible signs of core, kinking, rust; evidence of two is required.

1.3 Describe the treatment for maximising the working life of rope.

1.4 Describe the situations and reasons for using different splice types.

Range hand splice, swage or Talurit splice.

Outcome 2

Describe chains and related fittings used for commercial fishing activities, and the requirements for maximising the working life of chains and fittings.

Performance criteria

2.1 Describe the main characteristics and uses of commonly used chains and related fittings used for commercial fishing activities.

Range chains – long chain, short link, mid link, stud link; related fittings – shackles, hammer locks, swivels.

2.2 Describe signs of potential failure in chains and related fittings.

Range elongation, abrasion, distortion, cracking, rust, twisting, loose pins, missing locking devices.

2.3 Describe the requirements for maximising the working life of chains and fittings.

Outcome 3

Splice a rope under supervision.

Range two of – wire rope locking tuck, natural or synthetic rope eye splice, multi plait rope splice.

Performance criteria

- 3.1 Select the splicing tools according to the wire rope size.
- 3.2 Use splicing tools in a manner that does not cause risk of injury to self.
- 3.3 Carry out the splice according to the supervisor's instructions.

Outcome 4

Apply a chain stopper on a wire rope under supervision.

Performance criteria

- 4.1 Apply the chain stopper on a wire rope in a manner that is safe and the application is effective.

Outcome 5

Identify the main components of fishing gear.

Performance criteria

- 5.1 Identify the main components of a trawl net.

Range may include – codend, lengthener, bellies, square, wings, headline, ground rope, sweeps, bridles, trawl doors, trawl warps, swivels, shackles, hammerlocks, G links, recess links, lazy wires, back straps, strops, clumps, Bolsh lines, fishing lines, selvages; evidence is required for 18.

- 5.2 Identify the main components of a purse seine net.

Range may include – cork line, float line, lead line, purse wire, bunt, purse rings, G links, recess links, sister clips; evidence is required for seven.

- 5.3 Identify the main components of a long line.

Range mainline, backbone, snoods, branch lines, anchors, weights, floats, dan buoys, swivels, longline clips, tori line; evidence is required for seven.

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	27 November 1998	31 December 2019
Review	2	22 May 2003	31 December 2019
Rollover and Revision	3	21 November 2008	31 December 2019
Review	4	24 January 2019	N/A
Rollover	5	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 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.