

<b>Title</b>	<b>Describe the use of ropes, and prepare and store rope for use in the aquaculture industry</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to: describe the types and application of ropes used; describe the importance of the correct disposal of rope; describe the use of and carry out knots and splicing; and prepare and store rope for use, in the aquaculture industry.
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<b>Classification</b>	Seafood > Aquaculture
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to:
  - Health and Safety at Work Act 2015; and any subsequent amendments.
- 2 Definition  
*Company requirements* refer to instructions to staff on policy and procedures that are communicated in verbal or written form. These requirements may include but are not limited to – manufacturers' instructions, company safety requirements, throughput, and industry codes of practice and standards. Company requirements must include legislative requirements.
- 3 All evidence presented in this unit standard must be in accordance with company requirements.

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### Outcomes and performance criteria

#### Outcome 1

Describe the types and application of ropes used in the aquaculture industry.

**Range** types of rope may include but are not limited to – warp, backbone, culture rope, spat medium, lashings, weight, and mooring ropes; evidence of three types of ropes is required.

#### Performance criteria

- 1.1 Describe the types of rope used for an aquaculture activity.
- 1.2 Describe the application of each type of rope used in an aquaculture activity.

- 1.3 Describe the advantages and disadvantages of each type of rope in relation to its application.

Range may include but is not limited to – cost, safe working load, abrasive resistance, stretching ability, Ultraviolet stabilisation, deterioration, breaking strain; evidence of two advantages and two disadvantages for each type of rope is required.

## Outcome 2

Describe the importance of the correct disposal of rope in the aquaculture industry.

### Performance criteria

- 2.1 Describe the correct disposal of rope and why this is important.

## Outcome 3

Describe the use of and carry out knots and splicing in the aquaculture industry.

Range knots refers to knots, bends, and hitches.

### Performance criteria

- 3.1 Describe the effects of joining on the rope properties.

- 3.2 Describe and carry out the application of knots and splices used in the aquaculture industry.

Range evidence of one type of knot and one type of splice is required.

- 3.3 Describe an advantage and disadvantage of a knot in relation to its application in the aquaculture industry.

Range evidence of one type of knot is required.

- 3.4 Describe the treatment of rope ends in relation to the rope's application in the aquaculture industry.

Range treatment may include but is not limited to – tucks, tails, burning, taping.

## Outcome 4

Prepare and store rope for use in the aquaculture industry.

Range evidence of three types of ropes is required.

**Performance criteria**

4.1 Prepare new rope for use.

Range preparation may include but is not limited to – uncoiling, conditioning, cutting.

4.2 Prepare and examine used rope for use.

Range may include but is not limited to – cleaning, untwisting, treatment for fouling organisms.

4.3 Prepare ropes for storage.

Range preparation may include but is not limited to – bagged, labelled.

4.4 Store rope to prevent deterioration.

4.5 Identify and dispose of unsuitable rope.

Range may include but is not limited to – old, worn, damaged, not fit for purpose.

<b>Planned review date</b>	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	25 February 2003	31 December 2024
Revision	2	27 October 2006	31 December 2024
Review	3	20 March 2009	31 December 2024
Review	4	28 October 2021	31 December 2024
Revision	5	24 November 2022	N/A
Rollover	6	29 February 2024	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:qualifications@mukatangata.nz) if you wish to suggest changes to the content of this unit standard.