

Title	Plan and carry out a dive to attach a line to a heavy object on a marine farm		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to plan and carry out a dive to attach a line to a heavy object on a marine farm, and record and report requirements for a dive.
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Classification	Seafood > Aquaculture Diving
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Available grade	Achieved
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Prerequisites	Unit 28393, <i>Navigate underwater while scuba diving in open water</i> ; Unit 28395, <i>Complete diver rescues</i> ; Unit 28396, <i>Complete scuba dives at night in open water</i> ; Unit 28401, <i>Complete underwater search and recovery scuba dives in open water</i> ; Unit 28404, <i>Complete scuba dives in open water to depths between 18 and 40 metres</i> ; Unit 21344, <i>Demonstrate knowledge of health and safety legislation and the application of best practice to aquaculture diving</i> ; or <i>Occupational Diving Certificate of Competence</i> ; or demonstrate equivalent knowledge and skills.
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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.
- 2 The assessment of outcome two must be carried out in underwater visibility conditions that are common for aquaculture industry diving.
- 3 Reference
New Zealand Aquaculture Industry Diving Good Practice Guidelines Version 2, 2018. Available from the Aquaculture New Zealand website – www.aquaculture.org.nz.
- 4 Definitions
Company requirements refer to instructions to staff on policy and procedures that are communicated in an oral or written form. These must include the requirements of the Diving Good Practice Guidelines.
A *heavy object* refers to one that requires a line to be attached for removal from the water, for example approximately one that is greater than 6 kg in weight.

Outcomes and performance criteria

Outcome 1

Plan a dive to attach a line to a heavy object on a marine farm.

Performance criteria

- 1.1 Explain the reasons for planning a dive to attach a line to a heavy object in accordance with company requirements and safety criteria in the Diving Good Practice Guidelines.
- Range safety focus of divers, legislation.
- 1.2 Explain potential hazards associated with attaching a line to a heavy object and the remedial actions.
- Range hazards may include but are not limited to – environmental hazards, marine organisms, limited visibility, disorientation, current strength, entanglement, strenuous activity, accessibility of attachment point;
evidence of four hazards is required;
remedial actions include action taken to eliminate or minimise the hazard, such as – decision not to dive, decision not to recover object, access to safety equipment, communication plan, use of diver location device, emergency plan.
- 1.3 Explain methods of attachment in terms of size, depth, and weight of object to which the line needs to be attached.
- Range one of – securing, lifting;
attachments may include but are not limited to – knots (bowline, half hitch, sheet bend, anchor bend), wire rope, shackle, chain.
- 1.4 Complete a dive plan to attach the line to a heavy object in accordance with company requirements and safety criteria.
- Range includes but is not limited to – fitness and capability of the dive team, personnel numbers, surface conditions, diving platform and vantage points, in-water conditions, depth, equipment, bottom topography, communication signals, object to be attached.

Outcome 2

Carry out a dive to attach a line to a heavy object on a marine farm.

Performance criteria

- 2.1 Carry out a pre-dive check in accordance with company requirements and safety criteria.

- 2.2 Explain the procedure for in-water disentanglement of a diver in accordance with company requirements.

Range self, another diver.

- 2.3 Carry out a dive to attach a line to a heavy object and attach the line in accordance with the dive plan and company requirements.

- 2.4 Give, receive and respond to communication signals as agreed in the dive plan.

Outcome 3

Record and report requirements for a dive.

Performance criteria

- 3.1 Record and report requirements for a dive in accordance with health and safety legislation and company requirements.

Range includes but is not limited to – personal logbook, company logbook, reporting schedule.

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	23 August 2005	31 December 2020
Review	2	20 November 2009	31 December 2020
Review	3	28 November 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.