

Title	Plan and carry out routine repair and maintenance diving tasks on a marine farm		
Level	4	Credits	15

Purpose	People credited with this unit standard are able to: plan and carry out a dive to assess routine repair and maintenance requirements on a marine farm; plan and carry out a dive to undertake routine repair and maintenance 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 The candidate must complete two types of repair and maintenance tasks and explain both of these for each outcome of the unit standard. Repair and maintenance tasks may include but are not limited to – untangle weight system or anchor system, untangle equipment, replace sacrificial anode, replace shackle, cleaning activities, removal of bio-fouling, recover mortalities, attach air curtains, repairing nets, stitching sea cage drop panels.
- 4 The assessment dive and the repair dive may be carried out at the same time.

- 5 Reference
New Zealand Aquaculture Industry Diving Good Practice Guidelines Version 2, 2018.
Available from the Aquaculture New Zealand website – www.aquaculture.org.nz.
- 6 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.

Outcomes and performance criteria

Outcome 1

Plan and carry out a dive to assess routine repair and maintenance requirements on a marine farm.

Performance criteria

- 1.1 Explain the reasons for planning a dive to assess routine repair and maintenance requirements in accordance with company requirements and safety criteria.
- Range safety focus of divers, legislation.
- 1.2 Explain potential hazards associated with the assessment of the repair and maintenance requirements 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; evidence of four hazards is required; remedial actions include action taken to eliminate, isolate or minimise the hazard, such as – decision not to dive, decision not to carry out repair and maintenance, access to safety equipment, communication plan, use of diver location device, emergency plan.
- 1.3 Complete a dive plan for the assessment of the repair and maintenance requirements 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.
- 1.4 Carry out a dive to assess the repair and maintenance requirements in accordance with the dive plan and company requirements.
- Range includes but is not limited to – the extent of repair and maintenance required, determination as minor or construction.

- 1.5 Report the repair and maintenance requirements to the dive supervisor in accordance with company requirements.

Range condition or degree of damage, associated hazards, possible cause.

Outcome 2

Plan a dive to carry out routine repair and maintenance on a marine farm.

Performance criteria

- 2.1 Plan technique to be used for the repair and maintenance in accordance with company requirements.

Range equipment, method of repair or maintenance, associated potential hazards.

- 2.2 Complete the dive plan for the repair and maintenance in accordance with company requirements.

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.

Outcome 3

Carry out a dive to undertake routine repair and maintenance on a marine farm.

Performance criteria

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

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

Range self, another diver.

- 3.3 Carry out a dive to complete the routine repair and maintenance in accordance with the dive plan and company requirements.

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

Outcome 4

Record and report requirements for a dive.

Performance criteria

- 4.1 Complete record and report requirements 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.