

Supervise an aquaculture industry dive operation on a marine farm

Level 6

Credits 15

Purpose People credited with this unit standard are able to: explain the responsibilities of a dive supervisor; plan a dive operation; supervise a dive and post-dive operation on a marine farm; explain and respond to emergency situations related to dive operations; and supervise first aid requirements related to dive operations, on a marine farm.

This unit standard is intended for those personnel who are supervising aquaculture industry dive operations on a marine farm, due to the conditions, size or type of the task.

Subfield Seafood

Domain Aquaculture Diving

Status Registered

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Entry information Prerequisites: Unit 4387, *Perform diver rescues* or *PADI Rescue Diver* qualification; Unit 4385, *Navigate prescribed routes underwater*; Unit 4388, *Complete a night dive*; Unit 4393, *Complete underwater search and recovery dives*; Unit 4398, *Complete deep dives to between 18 and 40 metres, and perform tasks*; and Unit 21344, *Explain health and safety legislation and the application of best practice to aquaculture diving*; or demonstrate equivalent knowledge and skills.

Accreditation Evaluation of documentation and visit by NZQA and industry.

Standard setting body (SSB) Seafood ITO

Accreditation and Moderation Action Plan (AMAP) reference 0123

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Special notes

- 1 Industry technical requirements and safety criteria are contained within the *New Zealand Aquaculture Industry Diving Best Practice Guidelines 2004*, available from Aquaculture New Zealand, Level 1, Wakatu House, Montgomery Square, Nelson 7010 (<http://www.aquaculture.org.nz>). This is referred to as the Diving Best Practice Guidelines in this unit standard.
- 2 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 Best Practice Guidelines.
Decompression illness refers to decompression sickness and other pressure related ailments.
PADI refers to the Professional Association of Diving Instructors.

Elements and performance criteria

Element 1

Explain the responsibilities of a dive supervisor on a marine farm.

Performance criteria

- 1.1 The dive supervisor's responsibility for supervision of on-site dive operations is explained in accordance with the Diving Best Practice Guidelines.
- 1.2 The dive supervisor's responsibility for supervision of safety and health requirements of on-site dive operations is explained in accordance with the Diving Best Practice Guidelines.

Range hazards, diving equipment, protective clothing, termination of dive, altitude travel after diving, emergency procedures, emergency equipment on site, notification and reporting.
- 1.3 The dive supervisor's responsibility for dive planning is explained in accordance with the Diving Best Practice Guidelines.
- 1.4 The dive supervisor's responsibility for training and competencies of divers and other dive team members is explained in accordance with the Diving Best Practice Guidelines.

Range includes but is not limited to – diving, first aid, emergency procedures, oxygen administration.

Element 2

Plan a dive operation on a marine farm.

Performance criteria

- 2.1 The dive operation is planned and documented in consultation with the dive team in accordance with company requirements.
- Range includes but is not limited to – objectives of dive, surface support, communication, trained and equipped personnel, emergency procedures.
- 2.2 The dive operation is planned in consultation with the dive team, to manage the potential hazards associated with the dive task, in accordance with company requirements.
- 2.3 The dive plan is reviewed, confirmed, and signed prior to the dive operation commencing.

Element 3

Supervise a dive operation on a marine farm.

Performance criteria

- 3.1 Supervision of the dive operation is maintained in accordance with the dive plan and company requirements.
- Range may include but is not limited to – dive personnel's available non decompression time.
- 3.2 The dive operation is monitored and action taken if personnel safety is jeopardised.
- Range may include but is not limited to – weather, water conditions, passing vessels.
- 3.3 Any variations from dive plan are justified, in terms of conditions and nature of operation, and remain within company requirements.

Element 4

Supervise a post-dive operation on a marine farm.

Performance criteria

- 4.1 De-briefing of divers is carried out in accordance with company requirements and safety criteria.
- Range includes but is not limited to – all divers returned to surface.

- 4.2 The dive operation is reviewed in accordance with company requirements.
- Range objectives, personnel, emergencies, hazards, equipment, time, safety procedures.
- 4.3 Supervision ensures that equipment is maintained, cleaned, and stored in accordance with company requirements.
- 4.4 Recording and reporting requirements are completed in accordance with company requirements.
- Range includes but is not limited to – signing diver’s log, notification to OSH of hazardous work, maintenance records.

Element 5

Explain and respond to emergency situations related to aquaculture dive operations on a marine farm.

Performance criteria

- 5.1 Decompression illnesses and the actions and treatment to be taken are explained in accordance with the Diving Best Practice Guidelines.
- Range decompression illnesses – cause, effects on the body’s system, signs and symptoms;
action and treatment – emergency procedures, administration of first aid, communication with diving doctors.
- 5.2 The explanation includes an outline of the aquaculture diving related emergency procedures and plans operating on the marine farm.
- Range diver in distress, diver not surfacing, diver over time.
- 5.3 Aquaculture diving related emergency and evacuation procedures are responded to in accordance with company requirements.

Element 6

Supervise first aid requirements related to aquaculture dive operations on a marine farm.

Performance criteria

- 6.1 Incidents requiring first aid and other treatment are supervised in accordance with company requirements.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Seafood ITO admin@seafood.co.nz if you wish to suggest changes to the content of this unit standard.