
AQUACULTURE
Supervise aquaculture industry dive
operations on a marine farm

level:	6
credit:	15
final date for comment:	August 2009
expiry date:	December 2010
sub-field:	Seafood
purpose:	<p>People credited with this unit standard are able to: explain the responsibilities of a dive supervisor; plan the diving operational requirements; supervise the diving and post dive operations on a marine farm; explain and respond to emergency situations related to aquaculture diving; and supervise first aid requirements related to aquaculture diving.</p> <p>This unit standard is intended for those personnel who are supervising involved aquaculture industry diving operations on a marine farm, due to the conditions, size or type of the task.</p>
entry information:	<p>Prerequisites: Unit 4387, <i>Perform diver rescues</i> or <i>PADI Rescue Diver</i> qualification and Unit 4385, <i>Navigate prescribed routes underwater</i>, Unit 4388, <i>Complete a night dive</i>, Unit 4393, <i>Complete underwater search and recovery dives</i>, Unit 4398, <i>Complete deep dives to between 18 and 40 metres, and perform tasks</i>, Unit 21344, <i>Explain health and safety legislation and the application of best practice to aquaculture diving</i>, or demonstrate equivalent knowledge and skills.</p>
accreditation option:	Evaluation of documentation and visit by NZQA and industry.
moderation option:	A centrally established national moderation system has been set up by the Seafood Industry Training Organisation.
special notes:	<p>1 Industry technical requirements and safety criteria are contained within the <i>New Zealand Aquaculture Industry Diving Best Practice Guidelines 2004</i>, available from the Aquaculture Industry Council, PO Box 86, Blenheim. This is referred to as the Diving Best Practice Guidelines in this unit standard.</p>

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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.

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element 2

Plan the diving operational requirements on a marine farm.

performance criteria

- 2.1 The diving 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 diving 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 the diving operations 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.

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element 4

Supervise post-dive operations 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 diving 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 diving 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.

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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 diving on a marine farm.

performance criteria

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

Comments on this unit standard

Please contact Seafood Industry Training Organisation sitoadmin@seafood.co.nz if you wish to suggest changes to the content of this unit standard.

Please Note

Providers must be accredited by the Qualifications Authority or a delegated inter-institutional body before they can register credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by the Qualifications Authority 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 providers wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

This unit standard is covered by AMAP 0123 which can be accessed at <http://www.nzqa.govt.nz/site/framework/search.html>.