

**Field      Agriculture, Forestry and Fisheries**

**Review of *Seafood* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Seafood	Aquaculture	5335, 5356, 16338, 18487, 19217-19220, 19773, 19774, 19777, 19852, 20308, 21952, 21953, 23646, 23647, 24670, 24678, 25308-25313, 25452.
	Diving	21344

The Primary ITO has completed the review of the unit standards listed above.

**Date new versions published**

**October 2021**

**Planned review date**

**December 2026**

**Summary**

Key industry stakeholders involved within the aquaculture industry who made up the External Working Group (EWG) met between November 2020 and June 2021. The above unit standards were discussed, and changes were recommended to ensure that current industry requirements were met. Consultation was carried out in June 2021 with consent to assess holders to provide feedback. All feedback was actioned where relevant.

**Main changes**

- 26 unit standards were reviewed, changes were made to meet specific industry requirements.
- 22 unit standards had title changes to better reflect unit outcomes.
- Seven unit standards had credit value changes to reflect adjustments in industry training needs.
- Guidance information was updated where appropriate to ensure unit standard content was fit for purpose.
- Unit standard outcomes and performance criteria were updated where appropriate to better reflect current industry requirements.
- Reviewed unit standards were moved to the current template.

**The last date for assessment of superseded versions of Category B unit standards is 31 December 2024.**

**Detailed list of unit standards – classification, title, level, and credits**

All changes are in **bold**.

Key to review category	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
<b>B</b>	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

Agriculture, Forestry and Fisheries > Seafood > Aquaculture

ID	Title	Level	Credit	Review Category
5335	Construct and maintain grow-out units to hold oysters (tio) on an oyster (tio) farm <b>Construct, clean and repair grow-out units to hold oysters (tio) on an oyster (tio) farm</b>	2	5	B
5356	Pack shellfish from an aquaculture farm for sale <b>Pack live shellfish from an aquaculture farm for sale</b>	2	5	B
16338	Outline how New Zealand Greenshell mussel (kutai, kuku) spat are obtained and used <b>Describe how New Zealand Greenshell mussel (kutai, kuku) spat are obtained and used</b>	2	5	B
18487	Program the AQ1 system and interpret AQPC data for salmon feeding	4	10	B
19217	Explain the procedures to gain legal authorisation for an aquaculture associated activity <b>Describe the procedures and complete the application to gain legal authorisations for an aquaculture associated activity</b>	4	5 10	B
19218	Present an overview of the New Zealand and global aquaculture industry <b>Demonstrate knowledge of the New Zealand and global aquaculture industry</b>	4	10 5	B
19219	Explain hatchery techniques used in the New Zealand aquaculture industry <b>Describe hatchery techniques used in the New Zealand aquaculture industry</b>	4	15	B
19220	Explain health issues and factors impacting on product quality for aquaculture species <b>Describe health issues and factors impacting on product quality for aquaculture species</b>	4	10	B
19773	Explain the management of environmental best practice in the aquaculture industry <b>Describe and supervise the management of environmental best practice in the aquaculture industry</b>	4	15 10	B
19774	Demonstrate knowledge of the transfer of an aquaculture species from one site to another <b>Describe the transfer of an aquaculture species from one site to another</b>	4	10 5	B
19777	Load and store stockings used in the mussel (kutai, kuku) farming industry	2	5	B
19852	Outline the salmon farming industry in New Zealand and worldwide <b>Describe the salmon farming industry in New Zealand and worldwide</b>	2	10	B

ID	Title	Level	Credit	Review Category
20308	Demonstrate understanding of the effects on Māori of an aquaculture associated activity <b>Describe and analyse the effects on Māori of an aquaculture associated activity</b>	4	5	B
21952	Carry out triploiding and explain methods of confirming success for a selected aquaculture species <b>Carry out triploiding and describe methods of confirming success for a selected aquaculture species</b>	4	5	B
21953	Explain and carry out micro algal culture for use in the New Zealand aquaculture industry <b>Describe and carry out micro algal culture for use in the New Zealand aquaculture industry</b>	4	10	B
23646	Repair and maintain equipment and structures for New Zealand land-based aquaculture	4	15	B
23647	Repair and maintain equipment and structures for New Zealand sea-based aquaculture	4	15	B
24670	Explain selective breeding and hatchery techniques associated with culturing single-seed Pacific oyster spat <b>Describe the purpose, benefits, principles and approaches of selective breeding in an aquaculture species</b>	4	5	B
24678	Develop and document an annual plan for farming a commercial species in an aquaculture facility <b>Develop and document an aquaculture production plan for farming a commercial species in an aquaculture facility</b>	4	5	B
25308	Demonstrate knowledge of, and carry out, thawing of cryopreserved milt for use on an aquaculture facility <b>Describe and carry out thawing of cryopreserved milt for use on an aquaculture facility</b>	4	5	B
25309	Demonstrate knowledge of, and carry out, cryopreservation of milt on an aquaculture facility <b>Describe and carry out cryopreservation of milt on an aquaculture facility</b>	4	5	B
25310	Assess fin fish health in an aquaculture facility	4	5	B
25311	Demonstrate knowledge of PIT tagging, and PIT tag fin fish in an aquaculture facility <b>Describe PIT tagging and PIT tag fin fish in an aquaculture facility</b>	4	5	B
25312	Carry out selective breeding for family creation for fin fish on an aquaculture facility <b>Describe and carry out selective breeding for family creation on an aquaculture facility</b>	4	8 15	B
25313	Demonstrate knowledge of, and carry out a sex reversal procedure for fin fish on an aquaculture facility <b>Describe and carry out a sex reversal procedure for fin fish on an aquaculture facility</b>	4	8 10	B
25452	Demonstrate knowledge of, and carry out, sampling of fin fish for testing <b>Describe and carry out sampling of fin fish for testing</b>	4	5	B

Agriculture, Forestry and Fisheries > Seafood > Aquaculture Diving

ID	Title	Level	Credit	Review Category
21344	Explain health and safety legislation and the application of best practice to aquaculture diving <b>Demonstrate knowledge of health and safety legislation and the application of best practice to aquaculture diving</b>	4	15 <b>10</b>	B