

# Fishtech and Aquabotics Project



## Summary of Feedback, Responses and Actions

April 2020

Draft qualifications, units of competency and skill sets for the 20-11 Fishtech and Aquabotics project were made available on the [Skills Impact website](#) for stakeholder review from 20 December, 2020 – 09 March, 2020. Please visit the website to view a full list of the documents that were submitted for consultation during these phases.

Feedback was received from a variety of stakeholders around the country via email, the Skills Impact Feedback Hub, at face-to-face workshops, site visits and webinar, via phone and email, as follows:

	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	National
<b>Industry (employer / employee)</b>									
<b>Industry association</b>									
<b>Union</b>									
<b>Registered Training Organisation (RTO)</b>									
<b>Government department</b>									

*Note: Feedback from NSW, ACT and some parts of VIC was limited due to the Bushfires. The RTO who represents NT Aquaculture has been contacted and kept informed of the project's progress. A representative from a Tasmanian union was invited to join the SME meeting in Hobart last September.*

Feedback received during the 'drafts available' period for the nine units of competency and three skill sets developed for the seafood industry has been positive; new units and skill sets have been well received and only minor changes made to revised units as suggested by stakeholders.

Below is a summary of the feedback raised for the draft qualifications, units of competency and skill sets developed and reviewed for the 20-11 Fishtech and Aquabotics project, and how these have been dealt with. This involves a consideration of the information provided, views of industry stakeholders and from people who are part of the Subject Matter Expert Working Group process. Resolutions are constructed to consider the needs and views of stakeholders to the extent possible, and to comply with the *Standards for Training Package 2012*. The resolutions may represent a compromise on one or more stakeholder views with the aim of a workable outcome for industry, State and Territory Training Authorities (STAs) and training providers.

**Acronyms - PC – Performance Criteria, PE – Performance Evidence, KE – Knowledge Evidence, AC – Assessment Conditions, SMEs – Subject Matter Experts**

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## Summary of feedback on draft Skill Sets

### SFISXXXX1 Aquatic Technology Induction Skill Set

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
RTO; QLD	A good skill set. Suggestion to remove 'fisheries' from title. Also suggested the use of 'aquatic'	<b>Adopted.</b> Fisheries will be removed from the original title 'Fisheries and Aquaculture Induction Skill Set'
RTO, Industry; NSW	Agree to remove 'fisheries' from the title. Much discussion over 'wild catch' and 'farm sector'	<b>Noted.</b> Discussion at subsequent workshops and with SMEWG decided on 'aquatic' as the best representation for the wider industry.
Government, Industry; VIC	Discussion about the definition of 'aquaculture'; is crab farming aquaculture? Blurry line that requires defining.	<b>Noted.</b> Discussion at subsequent workshops and with SMEWG decided on 'aquatic' as the best representation for the wider industry.
RTO; VIC, Industry Association and Industry; NT	Agree with the need for an 'induction' skill set. Agree with proposal to remove 'fisheries' from the title. Suggestion to simplify title to Aquaculture Induction Skill Set. Discussion about the definition of 'aquaculture'; is crab farming aquaculture?	<b>Adopted.</b> Title revised to Aquaculture Induction Skill Set
RTO; SA	Not in favour of 'aquatic', felt is represented swimming rather than the seafood industry.	<b>Noted.</b> Discussion at subsequent workshops and with SMEWG members did not agree and felt that 'aquatic' was the best word to make units and skill sets available to all sub- sectors.
Industry and RTO; QLD	Agree to remove 'fisheries' from the title, though technology should remain. The focus is on induction of the use of technology. Do not mind 'aquatic or aquaculture', accepting of advice of SMEWG.	<b>Adopted.</b> Title revised to Aquaculture Induction Technology Skill Set
Industry and RTO; QLD	Include units on Work Health and Safety, Communication, Inspect and Clean, Biosecurity and Work effectively as a team	<b>Adopted.</b> All these themes are included in the units within this skill set.
Industry and RTO; QLD	Remove SFIAQU203 Manipulate stock culture environment from this skill set	<b>Adopted.</b> This unit has been removed from this skill set

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Industry and RTO; TAS	Remove aquaculture from the title, this limits its use. Replace aquaculture with aquatic, this removes barriers and allows for greater uptake. This is an induction skill set on aquatic technology and change the title to better reflect the intention.	<b>Adopted.</b> Aquaculture has been replaced with aquatic and the title revised to Aquatic Technology Induction skill set

### SFISXXXX2 New and Emerging Technology in Fisheries and Aquaculture Skill Set

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
RTO; QLD	Remove 'fisheries' from title.	<b>Adopted.</b> Fisheries will be removed from the original title 'New and Emerging Technology in Fisheries and Aquaculture Skill Set'
Government, Industry; VIC, Industry and RTO; QLD, Government, Industry, RTO; WA, Industry, Government Dept. and RTO; TAS.	There is no need to develop this skill set. The unit of competency SFIAQU5X1 Plan the use of new or emerging technology in fisheries or aquaculture, has been deemed not for further development, this leaves one unit; SFIAQU4X3 Prepare for the use of new or emerging aquatic technology. It is not feasible to develop this skill set for this one unit.	Thank you for your feedback.  Following discussions with the members of the SMEWG and stakeholders consulted in VIC, WA and TAS, it was agreed not to proceed with the development of this Skill Set.

### SFISXXXX3 Aquabotic Skill Set

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
RTO; VIC, Industry Association and Industry; NT	Agree with the proposal for this Skill Set	<b>Noted.</b> Thank you.
Industry and RTO; QLD	Remove SFIAQU203 Manipulate stock culture environment and add a unit on communication	<b>Adopted.</b>
Industry and RTO; QLD	How is technology going to impact on the well-being of the stock?	<b>Noted.</b> Environmental and biosecurity themes are threaded through the units of competency.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Industry and RTO; QLD	Absolutely agree with this skill set, however, suggest removal of SFIAQU304 Maintain water quality and environmental monitoring.	<b>Adopted.</b> This unit has been removed from this skill set.
Government; WA	'Aquabotic'; needs to be defined in the Companion Volume.	<b>Noted.</b> Aquabotics will be defined in the Companion Volume.
Industry Association; WA	References to the use of technology in the seafood industry should be led by Tasmanian stakeholders. Tasmania has the largest aquaculture industry in Australia, and they are ahead of other States with respect to technology. Second in knowledge and experience; the stakeholders from Queensland.	<b>Noted.</b> Both the Tasmanian and Queensland seafood industries are well represented in the SMEWG. The final consultation workshop was scheduled in Hobart in order that the most experienced group could consider and respond to the views and concerns of stakeholders in other States.

### SFISXXXX5 Aquatic Environmental Audit Skill Set

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Industry, Government Dept; VIC	Agree with the proposed introduction of this skill set. Biosecurity is extremely important, and an understanding of environmental audits will be useful.	<b>Noted.</b> Thank you.
RTO; VIC, Industry Association and Industry; NT	Agree with the proposed introduction of this skill set	<b>Noted.</b> Thank you.
RTO; SA	This skill set is valuable. Internal audits are important, to have a skill set with a focus on environmental audits is great.	<b>Noted.</b> Thank you.
Government Dept and Industry Association; SA	It is essential that internal environmental audits are carried out. This skill set is needed.	<b>Noted.</b> Thank you.

<b>Stakeholder Comments and Identified Issues</b>		<b>Consideration and Proposed Resolution</b>
Government, Industry, RTO; WA	Terminology; Aquaculture, fisheries, maritime. Maritime was rejected as it is used in transport qualifications. Suggestion to state 'not limited to aquaculture'. Aquaculture could then be retained in the titles. Need to check terminology used in AHC.	<b>Noted.</b> Following discussion with the SMEWG members; the term 'aquatic' has been chosen as the best word to make units and skill sets available to all sub- sectors.
Industry, Government Dept. and RTO; TAS	The understanding of environmental audits is an essential skill in all aquatic environments. Who carries out an audit may vary from company to company, but every company is required to audit their environmental impact. This skill set is needed; both audit units are needed.	<b>Noted.</b> Thank you.
Industry, Government Dept. and RTO; TAS	Must use language that does not exclude. Use of aquaculture in titles and references excludes. Agree that fisheries and aquaculture is not appropriate. Need to use a more general term. Suggestion to use; aquatic environments. Plural.	<b>Adopted.</b> Aquatic and aquatic environments is used throughout skill sets and units of competency developed.

## Summary of feedback on draft Units of Competency

### New units of competency

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
<b>SFIAQU2X1 Prepare and use aquatic technology</b>		
RTO; QLD	Either have Use technology in aquaculture or Use technology in fisheries, it doesn't really work to have both in one unit. Cannot see fisheries using this unit. More suited to aquaculture. In Knowledge Evidence (K.E) there is a lot that is not relevant to fisheries, again remove 'fisheries'.	<b>Adopted.</b> Fisheries has been removed.
RTO; QLD	In knowledge Evidence, <b>remove fisheries</b> or aquaculture, it is more appropriate to say 'Use aquatic technology' instead of saying fisheries or aquaculture.	<b>Adopted.</b> Terminology changed to aquatic throughout.
RTO; QLD	Add 'water quality'. Remove biological filtration and recirculating aquaculture system (RAS)	<b>Adopted.</b> Water quality has been added and biological filtration and recirculating aquaculture system (RAS) removed.
RTO; QLD	Automation is good, water management is great, this works well across the board.	<b>Noted.</b> Thank you
RTO; QLD	Not sure about mentioning 5G, this probably wont reach remote areas, and this might be superseded in near future.	<b>Adopted.</b> Where relevant '5G' will be replaced with 'smart platforms'.
RTO; WA	There could be some reordering of criteria here. I'd expect my students to be able to read instructions or specifications prior to accessing equipment.	<b>Adopted/reworded.</b> Participants are required to read specifications of the technology or equipment accessed.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
RTO; WA	I think an additional criterion should be included here. Citing that some sort of organisation, positioning, adjustments or calibration of equipment should be undertaken.	<b>Adopted.</b> Additional criteria added. <i>'PC 1.5 Adjust or calibrate technology to meet workplace requirements in accordance with work health and safety (WHS) standards'</i>
RTO; WA	This isn't clear. Does this mean that the operator is monitoring the function of the equipment? If it is it might read better by saying monitor function and performance of equipment and report possible improvements	<b>Adopted.</b> PC 2.3 now reads <i>'Monitor the function and performance of the technology and report possible improvements to relevant personnel'</i>
RTO; WA	PC mentions the need to identify contamination concerns. There really should be a KE for it otherwise assessors can't map effectively to it and will have to create a question anyway to meet ASQA SRTO requirements	<b>Adopted.</b> <i>'contamination concerns and actions to mitigate concerns'</i> added to KE.
RTO; WA	Also, an additional PE for 'identification of contamination concerns and applicable actions to mitigate'. Otherwise the PC and Element can't be sufficiently addressed	<b>Adopted.</b> Point added to KE.
RTO; WA	The title is a little misleading. The unit content demonstrates the use of the technology as well as the preparation of. Perhaps rename to Prepare and Use technology.	<b>Adopted.</b> Unit retitled to <i>'Prepare and use aquatic technology'</i>
RTO; WA	If this is intended for Cert II level this needs to change to reflect the level of responsibility. The word introduced	<b>Noted.</b> Units do not have an AQF level; and packaging at Certificate II is appropriate for new operators or vocational training in schools.



Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
	really falls at Cert I. This could apply to new operators who need routine supervision when using technology.	
RTO; WA	Criteria 2.1 should be broken up. It holds two components within it for which assessment documents should be broken up for clarity to students. - one criteria for specifications or instructions - one criteria for workplace WHS procedures	<b>Noted.</b> PC 2.1 includes WHS and manufacturer specification because it is written as a standard i.e. ' <i>use equipment or technology while observing WHS and manufacturer specification</i> '.
RTO; WA	Element 3.1. Again, this is stating two different tasks in the one criterion. Separate the cleaning away from reporting. I'd also actually expect a report on completing the activity, not before its end, so maybe a little reordering.	<b>Adopted.</b> Additional PC on reporting activity added. PCs now read; <i>3.1 Report on performance of technology to relevant personnel and</i> <i>3.2 Clean and maintain technology in accordance with workplace procedures and level of responsibility.</i>
RTO; WA	Additional evidence required in PE. PC states that the equipment needs to be operated but nothing is mentioned in the PE. Should include Operation of equipment according to specification, instructions or standardised procedures.	<b>Adopted.</b> 'standardised procedures' has been added to PE. Manufacturer specifications was already present.
RTO; VIC, Industry Association and Industry; NT	Is this entry level unit needed? Yes – good to have a pathway from school or entry to the workforce Does the unit title reflect the unit's intent? Perhaps the title should be changed to 'Prepare for work in fisheries or aquaculture using basic technology' Suggestion that this title is too long. The title should be short and attractive to school students to elicit interest. All participants agreed.	<b>Noted.</b> This unit's title has been changed to ' <i>Prepare and use aquatic technology</i> ' at the recommendation of SMEWG members.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
RTO; VIC, Industry Association and Industry; NT	Should the unit specify types of technology or should it be generic? Terminology should remain generic.	<b>Adopted.</b> Generic terminology has been used to enable use for a wide variety of technology.
Government Dept; SA	Consider amalgamating this unit with SFIAQU3X2 Use technology in fisheries or aquaculture. This would be better for the trainer and the topic(s) can be taught more holistically. Amend the performance criteria to reflect both aspects of preparing to use and using.	<b>Noted.</b> However, prevailing stakeholder views support the development of an entry level unit and an operator level unit. Changes have been made to these units to support the vocational roles they support.
Government Dept; SA	Assessment requirements would need to be amended if you were to merge with SFIAQU3X2	<b>Noted.</b>
RTO; SA	Initially agreed with Government Dept; SA, to combine <i>SFIAQU2X1 Prepare and use aquatic technology and SF13X1 Use technology in fisheries and aquaculture</i> ; however, later in the workshop decided that these units must be kept separate to cater for school aged learners.	<b>Noted.</b> As you have agreed, there is support for the development of an entry level unit and an operator level unit and we have made changes to these units to ensure they provide the necessary support for the required vocational roles.
RTO; QLD	I do not really like the term 'aquatic'.	<b>Noted.</b> Prevailing stakeholder view was a need for the development of an entry level unit and an operator level unit. Changes have been made to these units to support the vocational roles they support.
Industry, RTO; QLD	What is technology? Smart farming technology, smart systems. NEED TO DEFINE	<b>Noted.</b> Definitions will be included in the Companion Volume.
Industry, RTO; QLD	Do not agree with the proposal in Adelaide to amalgamate <i>SFIAQU2X1 Prepare to use technology in fisheries or aquaculture and SFIAQU3X2 Use technology in fisheries or aquaculture</i> . Would like to see the development of both these units. Induction level unit is very important	<b>Adopted.</b> Prevailing stakeholder view was a need for the development of an entry level unit and an operator level unit. Changes have been made to these units to support the vocational roles they support.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Industry, RTO; QLD	Question does automation include smart systems?	<b>Yes</b> , automation includes smart systems.
Industry, RTO; QLD	There is no harm in all areas of aquaculture being aware of what is being used elsewhere. Need to be aware of possibilities. Smart systems and automation.	<b>Noted.</b> This unit introduces smart systems at base level.
RTO; SA	Agree with other stakeholder, to amalgamate this unit with <i>SFIAQU3X2 Use technology in fisheries or aquaculture</i> , if 'fisheries' is removed from.	<b>Noted.</b> Prevailing stakeholder view was a need for the development of an entry level unit and an operator level unit. Changes have been made to these units to support the vocational roles they support.
RTO; SA	Agree additional KE and PE required for contamination concerns to address PC 2.2	<b>Adopted</b> , ' <i>contamination concerns and actions to mitigate concerns</i> ' added to KE
<b>SFIAQU3X1 Operate hi-tech and real time aquatic technology</b>		
RTO; QLD	Either have Use technology in aquaculture or Use technology in fisheries, it doesn't really work to have both in one unit. Cannot see fisheries using this unit. More suited to aquaculture. Also in K.E. there is a lot here that is not relevant to fisheries, again remove 'fisheries'	<b>Adopted.</b> Fisheries has been removed. SMEWG approved.
RTO; QLD	In knowledge Evidence, <b>remove fisheries</b> or aquaculture, more appropriate to say 'Use aquatic technology' instead of saying fisheries or aquaculture.	<b>Adopted.</b> Terminology changed to aquatic throughout. SMEWG approved.
RTO; QLD	Add 'water quality' technology	<b>Adopted.</b> Water quality technology' has been added to KE.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
RTO; QLD	Remove biological filtration and recirculating aquaculture system (RAS)	<b>Noted.</b> There have been differing views on this topic whereby most stakeholders and the SMEWG, felt it was appropriate to be included within the KE. i.e. to be aware of RAS and biological filtration, given that this unit is about aquatic technology.
RTO; QLD	Again, not sure about mentioning 5G, this probably wont reach remote areas, and will be out of date soon	<b>Adopted.</b> 5G changed to 'smart platforms' in KE. No performance requirements.
RTO; WA	PC 1.2. This is far too much information included in one criteria. It could be broken down into; PC 1.2 Identify relevant hazards regarding work safety and or environmental impacts and PC 1.3 Discuss factors to mitigate the risks of any hazards or concerns.	<b>Adopted.</b> PCs now read; 1.2 Identify relevant hazards regarding work safety and/or environmental impacts. 1.3 Discuss processes to mitigate risks of any identified hazards with relevant personnel.
RTO; WA	PC 2.2 Here you are explicit in the use of probe or feeding technology. Is this the limit of the technology? I could interpret this as standard feed delivery or monitoring equipment. If the Element stated remote or real time technology, it would make more sense.	<b>Adopted.</b> PC now reads; 1.4 Discuss current and future training needs in relation to aquatic operational processes, and control room, real time systems, marine sites, and probe technology.
RTO; WA	Assessment conditions - What does this mean? Does it mean that if you don't have access to the tech then you can be thinking about what you need to upgrade? Additionally, you explicitly state in PC 2.2 probe and feed technology. It implies that it is a must have if it is stated so explicitly.	<b>Adopted.</b> Assessment Conditions changed to reflect appropriate high-tech needs - access to high tech and real time aquatic technology.
RTO; WA	Refer to KE. Nowhere in the PC do you require a student to undertake the servicing or repair of equipment. Rightly so, with the level of tech that you are aiming for you would want to have specified contractors to undertake that work or someone onsite at a higher level to undertake that kind of work. I suggest to remove this.	<b>Adopted.</b> Service of equipment removed as suggested.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
RTO; WA	PC Element 2.1 'Platform and marine site'. I suggest this gets reworded to real time systems. You suggest that transport systems are included in the work environment, this would probably be undertaken in an office rather than a platform. I also suggest that application for some of this might stretch beyond marine sites. There are applications within the industry that have been used on land-based farms which would lend itself to freshwater environments too	<b>Adopted.</b> PC now reads; 2.1 Conduct activity in real time systems in accordance with workplace procedures.
RTO; WA	In PE. 'real time platforms' Again 'systems' might be better wording.	<b>Adopted.</b> Platforms changed to systems.
RTO; WA	In KE reference to 'environmental compliance and high energy sites'. Perhaps these two could be pulled out of operational processes. I don't feel they fit. - Environmental compliance isn't a core function of the operation of the equipment and the weather relating to farm site environmental energy should be inclusive of all farm sites. There will be applications where the technology be used in relatively low energy environments. Perhaps these two are better off on their own as -Environmental considerations in the use of the equipment -Effects of weather on the application, use or function of the equipment	<b>Adopted,</b> 'environmental compliance and high energy sites' removed.
RTO; WA	If this is proposed to be delivered at Cert III level it really requires the title to reflect it. The Cert II unit equivalent largely reflects the use of 'technology' within the unit content. This unit isn't really clear. Looking at the PE you state that technology must include real-time platforms and it eludes to maybe remote technology as you state that hatchery and transport is	<b>Adopted with slight variation:</b> New unit title is ' <i>Operate hi-tech and real time aquatic technology</i> '. The variation on the suggestion is the use of the word 'aquatic' instead of 'aquaculture' given that the majority of stakeholders and the SMEWG preferred 'aquatic'.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
	<p>included</p> <p>Perhaps this unit name could be refined so that it is more concise?</p>	
RTO; WA	<p>Refer PC 1.1. This whole criterion is somewhat confusing. I think that the analysis of emerging technology may actually be a higher level than Cert III, really, we are seeking autonomy in undertaking daily activity, not planning what equipment may or may not be available to do the job. That is a job for management. Perhaps reporting on the performance of technology to senior staff for continual improvement could be included in Element 3? Additionally, the way this is written suggests a level of 'future planning' rather than what does the student have to show us here and now to operate the equipment.</p>	<p><b>Adopted.</b> PC 1.1 changed to read '<i>Determine workplace requirements and determine how hi-tech or real time technology may be utilised to complete aquatic tasks.</i>'</p> <p>And PC 3.2 now reads '<i>Record relevant data and observations on how current or emerging technology may be utilised to complete aquatic tasks.</i>'</p>
RTO; WA	<p>KE General features bullet. This is quite a load of information for a Cert III to take on. Really the information here should be along the lines of relevant to the area of operation to local areas etc.</p>	<p><b>Adopted.</b> Second level bullet points removed.</p>
RTO; WA	<p>PC 3.2. Break this up into</p> <p>3.2 Check records and observations</p> <p>3.3 Report abnormal records or equipment performance concerns to senior staff</p>	<p><b>Adopted.</b> PCs now read; <i>3.2 Record relevant data and observations on how current or emerging technology may be utilised to complete aquatic tasks and 3.3 Report any performance abnormalities to relevant personnel.</i></p>
RTO; WA	<p>PC. Included extra criteria 2.3 Observe and record performance of equipment, animals and environmental parameters</p>	<p><b>Adopted.</b></p> <p>2.3 Observe and record the performance of technology and the environmental impacts on animals.</p>

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
RTO; VIC, Industry Association and Industry; NT	Should the unit refer to 'aquatic' instead of 'fisheries or aquaculture'. Leah noted that technology is also used in wild catch under the water to bring fish to the surface but that this is not information that should be readily available (especially to general public).	<b>Adopted.</b> 'Fisheries or aquaculture' changed to 'Aquatic' throughout the project on the advice of the SMEWG.
RTO; VIC, Industry Association and Industry; NT	Furthermore, in Knowledge evidence, the unit requires knowledge of recirculating aquaculture systems, automation, water management systems – this all relates to aquaculture (not fisheries). The consensus was that 'fisheries' should not be in this unit. Suggested title: 'Use technology in aquaculture'.	<b>Adopted.</b> Title changed to ' <i>Operate hi-tech and real time aquatic technologies</i> '. Detail removed from general features and capabilities of aquatic technology to keep it more generic and applicable to many environments.
RTO; VIC, Industry Association and Industry; NT	In Knowledge evidence should the requirements include an overview of IoT and 5G? It is acceptable to refer to IoT and platforms but rather than referring specifically to 5G, reference could be to 'advancements in technological platforms'.	<b>Adopted.</b> 5G changed to 'smart platforms'.
RTO; SA	Change the title; remove fisheries Title suggestion - Use technology in aquaculture	<b>Adopted.</b> Though preferred terminology changed to aquatic throughout. SMEWG approved.
RTO; SA	KE. Not a lot of RAS around Port Lincoln; will check with industry	<b>Adopted,</b> RAS removed, then reinstated at the request of SMEWG members
RTO; SA	Replace 5G with platforms	<b>Adopted.</b> 'Platforms' was later replaced with 'systems'.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
RTO; SA	Assessment conditions - remove 'upgraded' make sentence say 'access to aquaculture technology	<b>Adopted.</b> Upgraded has been removed.
RTO; SA	PE. Remove 'probe technology, control room and including hatchery, fish farms and transport. Leave only 'Marine site equipment'	<b>Partially adopted.</b> Probe technology remains, marine sites are referred to in PCs.
RTO; SA	Frequency - on one occasion is enough/two types of technology each on one occasion	<b>Adopted.</b> PC now reads; There must be evidence that the individual has used two types of aquatic technology, each on at least one occasion.
Government Dept and Industry Association; SA	All agreed to use a more generic term such as platforms in place of 5G	<b>Noted.</b> Thank you.
Government Dept and Industry Association; SA	All agreed to drop fisheries	<b>Noted.</b> Thank you.
Government Dept; SA	Consider merging with SFIAQU2X1 Prepare to use technology in fisheries and aquaculture	<b>Noted.</b> Though as a result of further consultation, <i>SFIAQU3X1 Use technology in fisheries or aquaculture</i> is now called <i>SFIAQU3X1 Operate hi-tech and real time aquatic technology</i> , the unit has been changed substantially to warrant two separate units.
Industry and RTO; QLD	RAS is the future; hatchery. Does not need to be high tech. RAS should remain in this unit, it is important that all learners know what this is and how it works. Industry must move forward, and to do so must embrace new technologies.	<b>Noted and incorporated.</b> A more generic term was used: 'the general features and capabilities of aquatic technology'. This may also encompass future developments in technology, in order to assist industry to embrace advancements.
Industry and RTO; QLD	Use smart systems instead of 5G	<b>Adopted.</b> 'Smart systems' is used throughout the project.



Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Government Dept; SA	Include links KE with PC?	<b>Adopted.</b> Further checking was conducted to ensure appropriate cross-referencing between PCs and PE/KE. Thank you.
<b>SFIAQU3X4 Interpret aquatic digital information</b>		
RTO; QLD	Write this unit specifically for Tasmanian industries who will use this. Aquaculture is data driven. Excel is the backbone. Data entry, storage, analysis - a level 3 unit on 'analyse data' - a level 3 unit on 'collect, manage and interpret data' - a level 5 unit on 'collect and manage data' or a short course in 'excel in aquaculture'	<b>Thank you.</b> Consultation consensus was to change the unit title (and content) to ' <i>Interpret aquatic digital information</i> '.
RTO; VIC, Industry Association and Industry; NT	Aquatic should be used in place of 'fisheries and aquaculture'.	<b>Adopted.</b> Aquatic has been used throughout the project in place of 'fisheries and aquaculture'.
RTO; VIC, Industry Association and Industry; NT	Terminology; computer data, digital data or more specific? The unit title could be 'Interpret aquatic computer data'. This decision was based on the belief that 'digital data' was too broad given that the unit refers to using software menus and manipulating data.	<b>Noted.</b> After much discussion in subsequent workshops the unit title went through many changes; such as; Interpret digital information. The final title agreed upon is; Interpret aquatic digital information.
RTO; SA	Prefer 'digital data' to 'computer data'.	<b>Adopted.</b> 'computer' removed from the title.
RTO; SA	Keep 'aquaculture' - aquatic sounds like a swimming pool	<b>Noted.</b> However, the majority of stakeholders, including SMEWG members supported the use of 'aquatic'.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
RTO; SA	PE change frequency from 4 to 2	<b>Adopted.</b> There must be evidence that the individual has accessed, inputted and recorded aquatic digital information on at least 2 occasions.
RTO; SA	Add 'Interpret data'	<b>Adopted.</b> PC 3.2 Interpret information so as to identify discrepancies between specifications or work instructions and actual activities and input information accordingly.
RTO; SA	No strong views about whether 'digital' is too broad	<b>Noted.</b> Thank you.
Government Dept and Industry Association; SA	All agreed to that Computer Data could be problematic.	<b>Adopted,</b> 'computer' removed from the title.
Government Dept.; SA	Suggest use ' <i>Digital Devices</i> ' as this is the terminology used in the Foundation Skills Training Packages	<b>Adopted.</b> KE reads; procedures and security measures for accessing, storing and retrieving information from aquatic digital devices.
Government Dept and Industry Association; SA	Suggestion - Interpret data using digital devices	<b>Adopted</b> with slight variation following further feedback, i.e. 'Interpret digital information'.
Government Dept.; SA	Reword 'Exit computer technology...' to 'Exit digital device technology according to workplace shutdown/log off	<b>Adopted.</b> Unit PCs amended to suit new unit focus following feedback. PC 5.1 reads; ' <i>Save digital information recorded, following workplace procedures including security measures prior to exiting the application</i> '.
Government Dept.; SA	Consider revising title to Interpret fisheries and aquaculture data on digital devices	<b>Adopted with variation.</b> Title and unit content amended to refer to 'aquatic digital information'.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Government Dept.; SA	Assessment requirements - change title as above	<b>Adopted with variation.</b> Title and unit content amended to refer to 'aquatic digital information'.
Government Dept.; SA	Change 'computer technology' to 'digital devices'	<b>Adopted.</b> KE reads; procedures and security measures for accessing, storing and retrieving information from aquatic digital devices.
Industry and RTO; QLD	Use 'digital information' not data. Interpret digital information. Data interpretation is too high level. Need to observe and understand data but not to interpret? Need to be able to analyse and troubleshoot. In a Cert III they will refer to supervisor for interpretation and forward forecasting.	<b>Adopted with variation.</b> Title and unit content amended to refer to 'aquatic digital information'.
Industry; WA	Must understand why the data is collected. Where does it go from here? Does the data make sense? Understand the approved/acceptable range of data in order to alert supervisor if data incorrect	<b>Adopted.</b> Refined PC 3.2 Interpret information so as to identify discrepancies between specifications or work instructions and actual activities and input information accordingly.
<b>SFIAQU4X1 Operate aquabotic technology</b>		
Industry and RTO; NSW	This unit may have application in the future, perhaps not used so much immediately	<b>Noted.</b> Other stakeholders, including SMEWG members from Tasmania agree strongly with this statement.
Government Dept, Industry; VIC	This generic introductory unit is good.	<b>Noted.</b>
Government Dept; VIC	Agree this generic introductory unit is needed. Could include AUV might help futureproof it. SFIAQU4X1 would be suitable for training in new/emerging aquabotic technology (the future)	<b>Noted.</b> Thank you for this endorsing comment.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Government Dept and Industry Association; SA	All agreed that both SFIAQU4X1 and SFIAQU4X4 should be developed. All agreed that there is a need for both units.	<b>Adopted.</b> Other stakeholders, including SMEWG members from Tasmania agree strongly with this statement.
RTO; SA	Agree there is a need for both 4X1 and 4X4	<b>Adopted.</b> Other stakeholders, including SMEWG members from Tasmania agree strongly with this statement.
RTO; SA	PE and KE too detailed	<b>Adopted.</b> Both PEs and KEs have been simplified.
RTO; SA	PE remove video and lights	<b>Adopted.</b> Though these remain in KE.
RTO; SA	PE remove sonar systems	<b>Adopted.</b> Reference to sonar systems removed from PE.
RTO; SA	KE too many points; remove marine growth survey, scour and debris survey and seabed survey. KEEP net cleaning and repair and underwater survey missions	<b>Adopted,</b> 'marine growth survey, scour and debris survey and seabed survey' removed from KE.
RTO; SA	Remove 'compliance' from 'environmental and compliance monitoring'	<b>Noted.</b> To be discussed further at validation.
RTO; SA	KE need industry feedback on this list. Looks ok, need confirmation from industry	<b>Adopted,</b> industry endorsed following workshops.
RTO; SA	KE industry feedback needed also on 'stock location processes'	<b>Noted.</b> 'stock location processes' was removed, then reinstated on further consultation. To be discussed further at validation.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
RTO; SA	KE remove visual indicator of stock concentration	<b>Adopted</b> , 'visual indicator of stock concentration' removed.
RTO; SA	KE please keep 'aquaculture risk and hazards associated with the use of aquabotic technology	<b>Adopted</b> . This was also agreed to by SMEWG members.
RTO; SA	4X1/4X2/4X4 You could teach 4X4 in 4X1?	<b>Noted</b> . Both units will be electives in SFI40119. Either or both may be selected, once endorsed. If both are selected, the assessments may be clustered.
RTO; SA	Frequency - two occasions is fine	<b>Noted</b> . Thank you for this endorsement.
RTO; SA	Remove Sonar, check lights and camera - ask industry who already use ROVs in aquaculture.	<b>Noted</b> . However, SMEWG ROV experts suggest these should remain.
RTO; SA	Put extra information in the Companion Volume	<b>Noted</b> . Companion Volume will be completed as requested.
Government Dept; SA	Need to check for existing units on ROVs. Screen and media broadcast are writing units on this, also, Safety for Firefighters and AIS defence units.	<b>Checked</b> . No other endorsed units on ROVs currently exist.
Industry Association; SA	Question: does aquabotic technology include autonomous equipment?	<b>Yes</b> , aquabotic technology includes autonomous equipment.
Industry and RTO; QLD	No opposition to keeping both 4X1 and 4X4. Will soon be using drones with prawns; IR imaging of ponds.	<b>Noted</b> . Thank you for this endorsement.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Government Dept; WA	South Metro TAFE might teach this?	<b>Yes</b> , it will be accessible to TAFE once endorsed and implemented in SA
Industry, Industry Association, RTO; WA	Are both 4X1 and 4X2 needed? Can they be combined? Ask Tasmania their opinion.	Yes, both units are needed. SMEWG members in Tasmania have considered this feedback and recommend both units remain. The rationale for their decision was because operation and maintenance are not always carried out by same individuals. Therefore, it is important to have dedicated units of competency.
Industry, Government Dept, RTO; TAS	Agree that both 4X1 and 4X4 are needed. Also in agreement that there is too much specific detail within these units. All promise to go through carefully and send amendments.	<b>Adopted.</b> Unnecessary detail removed.
Industry, Government Dept, RTO; TAS	ROVs are here to stay. An ROV specific unit is essential.	<b>Noted.</b> Thank you.
<b>SFIAQU4X2 Maintain aquabotic technology</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	See comments above for SFIAQU4X1 Operate aquabotic technology. These two draft units were discussed and compared throughout all Consultation Workshops.	See comments above for SFIAQU4X1 Operate aquabotic technology. These two draft units were discussed and compared throughout all Consultation Workshops.
<b>SFIAQU4X3 Prepare for the use of new or emerging aquatic technology</b>		

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
RTO; QLD	There is already a perfectly good R & D unit available. Conduct Research Trials. No need for this new unit.	<b>Noted.</b> However, following workshop consultation and on hearing the opinion of others and being reminded of the focus of this entire project being on the use and future use of technology in the seafood industry, this stakeholder has since changed their opinion.
RTO; NSW	Could use <i>AHCWRL505 Manage trial and research material</i> in place of this	The proposed unit; <i>AHCWRL505 Manage trial and research material</i> , has a different application to this proposed unit.
Industry; VIC	The operator at this level would not do these tasks. Could remove this unit.	<b>Noted.</b> Industry is divided on this opinion. Further discussions will be carried out with the SMEWG and other industry stakeholders during Validation to resolve this issue.
Government Dept; VIC	Agrees the operator possibly does not do this level of work. Would prefer the opinion of industry be listened to as not 100% certain. If industry says this unit is not needed, he would agree.	<b>Noted.</b> Industry is divided on this opinion. Further discussions will be carried out with the SMEWG and other industry stakeholders during Validation to resolve this issue.
RTO; SA	No need for this unit	<b>Noted.</b> Industry is divided on this opinion. Further discussions will be carried out with the SMEWG and other industry stakeholders during Validation to resolve this issue.
Government Dept and Industry Association; SA	No need for this unit	<b>Noted.</b> Industry is divided on this opinion. Further discussions will be carried out with the SMEWG and other industry stakeholders during Validation to resolve this issue.
Industry and RTO; QLD	Keep this unit. Disagree with other feedback. This unit is needed if industry is to move forward and embrace new technologies. This unit is future focused. Could include aeration technology Discuss 'promoting in the workplace' instead of 'training'	<b>Noted.</b> Industry is divided on this opinion. Further discussion required at Validation. Point on this unit being future focused and having the ability to assist the industry to embrace new technologies will be taken to the Validation meeting of the SMEWG.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Industry, Industry Association, RTO; WA	No need for this unit	<b>Noted.</b> Industry is divided on this opinion. Further discussions will be carried out with the SMEWG and other industry stakeholders during Validation to resolve this issue.
Industry, Government Dept, RTO; TAS	Understand the point made by the stakeholders in QLD. Not against this unit remaining and being further developed. Could be a good idea.	<b>Noted.</b> Industry is divided on this opinion. Further discussions will be carried out with the SMEWG and other industry stakeholders during Validation to resolve this issue.
<b>SFIAQU4X4 Operate ROVs</b>		
Industry and RTO; NSW	A valuable unit to develop, if not for now, this could have value in the near future.	<b>Noted.</b> Thank you for the endorsement.
Industry and RTO; NSW	Perhaps useful to search the existing units on Drones. Drones are definitely a useful tool. In oyster industry they could save a lot of driving time. Instead of the farmer driving around an inlet from one farm to another, they can just fly a drone across to check conditions.	<b>Noted.</b> Drones units will be located if they exist.
Industry and Government Dept; VIC	ROVs are affordable now. They are here to stay. Specific ROV training is needed. This unit is perfect for now for marine bio-securities. <i>SFIAQU4X4 Operate ROVs</i> would be suitable for training individuals in the use of ROVs now.	<b>Noted.</b> Thank you for the endorsement.
RTO; VIC, Industry Association and Industry; NT	All agreed that both <i>SFIAQU4X1 Operate aquabotic technology</i> and <i>SFIAQU4X4 Operate ROVs</i> should be developed. All agreed that there is a need for both units.	<b>Adopted.</b> Both <i>SFIAQU4X1 Operate aquabotic technology</i> and <i>SFIAQU4X4 Operate ROVs</i> have been developed.
RTO; SA	4X1/4X2/4X4 You could teach 4X4 in 4X1?	<b>Noted.</b> Both units will be electives in SFI40119. Either or both may be selected, once endorsed. If both are selected, assessment processed may be clustered.



Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
RTO; SA	Simplify title, ROVs is fine, no need for the whole name everyone knows what it means	<b>Adopted.</b> Title simplified from Operate remotely operated vehicles to Operate ROVs
Government Dept and Industry Association; SA	Need this specific unit for immediate training.	<b>Noted.</b> Thank you.
Government Dept; SA	There is a lot of specific assessment	<b>Adopted.</b> Assessment requirements have been reviewed.
Government Dept; SA	Keep simple if possible, in order that other Certs can use this as their ROV unit	<b>Adopted.</b> Thank you, an excellent suggestion.
Government Dept; TAS	Application - add 'underwater'. Operate underwater remotely operated vehicle technology	<b>Adopted.</b> This unit of competency describes the skills and knowledge required to operate underwater ROV technology. As suggested by SME ROV expert.
Government Dept; TAS	PE - on two occasions is inadequate, suggest, to increase this number.	<b>Adopted.</b> This feedback was considered by a SME ROV expert who agreed two occasions was not enough to be deemed competent. On advice, this has been increased to four occasions. PE now reads; There must be evidence that the individual has operated ROV technology in aquatic processes on at least four occasions.
Government Dept; TAS	PE - remove sonar systems ADD in manipulator	<b>Adopted.</b> This feedback was considered by a SME ROV expert who agreed to the removal of sonar systems and for the inclusion of manipulator.
Government Dept; TAS	PE and most of KE - remove all secondary bullet points. Keep only primary bullet points eg. Suitability of the shore or vessel launch method, sufficiently trained personnel for, site conditions, remotely operated vehicle suitability, remotely operated vehicle dive processes etc	<b>Adopted.</b> This feedback was considered by a SME ROV expert who agreed the secondary bullets should be removed to ensure simplicity and flexibility.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Government Dept; TAS	KE - remove stock location process	<b>Adopted.</b> This feedback was considered by a SME ROV expert who agreed that stock location process should be removed.
<b>SFIEMS5X2 Plan an aquatic environmental audit</b>		
RTO; QLD	Both Audit units are good. The fact that they are intended to be electives is positive as this will not cause issues for those who do not want to use them. These audit units will be helpful for the Prawn Industry and their relationship with Coles and Woolworths.  Barramundi farmers use Best Aquaculture Practise (BAP) they teach this 'in house'	<b>Adopted,</b> both units retained.
RTO; QLD	Concerns: knowledge of aquaculture processes - reduce the list of 'must do' eg. At a 'grow out farm' they have no need for audit of hatchery.	<b>Adopted,</b> unnecessary detail removed.
RTO; QLD	Remove the first two bullet points; land aquaculture/aquacultural processes	<b>Adopted,</b> unnecessary detail removed.
RTO; QLD	Remove groundwater, not applicable for sea cages/saltwater farms	<b>Adopted,</b> unnecessary detail removed.
RTO; QLD	Many points are good, just remove specifics to ensure the unit can be taught in all environments. Too much detail.	<b>Adopted,</b> unnecessary detail removed.
Industry, Government Dept; VIC	Initially questioned whether SFIEMS5X2 and SFIEMS5X3 could be combined? On further consideration, no. In fact, significantly different skills included. Could these two units form a Skill Set?	<b>Adopted.</b> These two units will form a skill set. SFISSXXX5 Aquatic Environmental Audit Skill Set.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
RTO; VIC, Industry Association and Industry; NT	Both Audit units are needed. Possible application: career progression, pathway to higher education (or pathway from higher education to vocational work) and auditing activities (learning how to be an auditor)	<b>Noted.</b> Thank you.
RTO; VIC, Industry Association and Industry; NT	The KE are not too detailed. The correct amount of detail is specified.	<b>Noted.</b> Thank you.
RTO: SA	Consider changing 'audit' to 'assessment'	<b>Noted.</b> Discussed in workshops. The majority of stakeholders prefer 'audit' because it is the term used in industry. This was further discussed and considered by the SMEWG who agreed that they prefer 'audit' to 'assessment'.
RTO; SA	PE Good. Like this unit. There is enough. Specific Skill Set very attractive. Worth keeping so long as they are not doubling up on an existing unit.	<b>Adopted.</b> These two units will form a skill set. SFISSXXX5 Aquatic Environmental Audit Skill Set.
RTO; SA	PC 2.6. Remove 'and legislative and regulative requirements. Tricky to assess. The student would need authorisation from supervisor so not needed.	<b>Adopted.</b> The student would need authorisation from supervisor. <b>Noted.</b> Tricky to assess legislative and regulative requirements. Removed.
RTO; SA	Same comment for <i>SFIEMS5X3 Conduct an Environmental Audit</i> . Keep these units. Should be available. Assume there is a lot of content; one combined unit would be good but see the need for two separate units.	<b>Noted.</b> Thank you.
RTO; SA	A very big unit, perhaps necessary? Need to reconfirm.	<b>Noted.</b> Thank you.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Government Dept and Industry Association; SA	Retain 'audit' instead of 'assessment'. Industry refers to it as an audit.	<b>Noted.</b> Discussed in workshops. The majority of stakeholders prefer 'audit' because it is the term used in industry. This was further discussed and considered by the SMEWG who agreed that they prefer 'audit' to 'assessment'.
Industry Association; SA	Love both <i>SFIEMS5X2 Plan an aquatic environmental audit</i> and <i>SFIEMS5X3 Conduct an aquatic environmental audit</i> . As an ISO Auditor these units are necessary. Could be a great Skill Set. Maybe only one or two people per company, still essential for internal audit.	<b>Adopted.</b> These two units will form a skill set. SFISSXXX5 Aquatic Environmental Audit Skill Set.
Government Dept and Industry Association; SA	All agree this would be a great Skill Set - <i>SFIEMS5X2 Plan an aquatic environmental audit</i> and <i>SFIEMS5X3 Conduct an aquatic environmental audit</i>	<b>Adopted.</b> These two units will form a skill set. SFISSXXX5 Aquatic Environmental Audit Skill Set.
Industry and RTO; QLD	Retain 'audit' instead of 'assessment'. Industry refers to it as an audit.	<b>Noted.</b> Discussed in workshops. The majority of stakeholders prefer 'audit' because it is the term used in industry. This was further discussed and considered by the SMEWG who agreed that they prefer 'audit' to 'assessment'.
Industry Association; WA	Why are these two Environmental Audit units in a technology project?	The use of technology is referenced in the units as part of the audit activities.
Industry; WA	<i>SFIEMS5X2 Plan an aquatic environmental audit</i> and <i>SFIEMS5X3 Conduct an aquatic environmental audit</i> are critical units. Australian shellfish says the worker must have experience. Individuals have to collect water samples regularly and are asked specifically ' <i>did the</i>	<b>Noted.</b> These two units have been developed and will form a skill set.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
	<i>person who collected the samples know what they were doing?'</i>	
Industry Association and RTO; WA	Can you combine the two Environmental Audit units - <i>SFIEMS5X2 Plan an aquatic environmental audit</i> and <i>SFIEMS5X3 Conduct an aquatic environmental audit</i> .	<b>Noted.</b> However, these two units have different functions. The majority of stakeholders prefer they are retained as two separate units.
Industry, Government Dept, RTO; TAS	Applicable <i>SFIEMS5X2 Plan an aquatic environmental audit</i> and <i>SFIEMS5X3 Conduct an aquatic environmental audit</i> . Aquatic is better language than Aquaculture. Works across the board.	<b>Adopted.</b> Aquatic the terminology of preference and used throughout the project.
Industry; TAS	Applicable to <i>SFIEMS5X2 Plan an aquatic environmental audit</i> and <i>SFIEMS5X3 Conduct an aquatic environmental audit</i> . At our company these job roles are at present considered one job; however, they are quite different from each other and should be separate and so the two units are both necessary. This may vary from company to company. Ask for an opinion from other companies. From our perspective keep both units. Better for small companies.	<b>Noted.</b> Thank you.
Industry, Government Dept, RTO; TAS	Too much detail. Way too difficult. Can cull most second level bullet points. Put this detail into the Companion Volume.	<b>Adopted.</b> KE simplified.
RTO; TAS	KE. The amount of KE depends if these are to be taught as stand-alone units or as part of a Qualification.	<b>Noted.</b> Thank you.
<b>SFIEMS5X3 Conduct an aquatic environmental audit</b>		

Stakeholder Comments and Identified Issues	Consideration and Proposed Resolution
<p>Industry and RTO; QLD, Industry, Government Dept; VIC, RTO; VIC, Industry Association and Industry; NT, RTO, Government Dept and Industry Association; SA, Industry, Industry Association and RTO; WA, Industry, Government Dept, RTO; TAS.</p>	<p>See comments for '<i>SFIEMS5X2 Plan an aquabotic environmental audit</i>'.</p>
	<p>See comments above for '<i>SFIEMS5X2 Plan an aquatic environmental audit</i>'. These two draft units were discussed and compared throughout all Consultation Workshops.</p>

## Revised units of competency

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
<b>SFIAQU203 Manipulate stock culture environment</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.
<b>SFIAQU206 Feed Stock</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.
<b>SFIAQU208 Produce algal or live-feed cultures</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA,	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS		
<b>SFIAQU210 Harvest cultured or held stock</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.
<b>SFIAQU211 Maintain stock culture, holding and other farm structures</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.
<b>SFIAQU212 Operate and maintain a recirculating aquaculture system</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.



Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS		
<b>SFIAQU301 Undertake effluent treatment and waste disposal</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW  RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.
<b>SFIAQU303 Monitor stock handing activities</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW  RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.
<b>SFIAQU304 Maintain water quality and environmental monitoring</b>		

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.
<b>SFIAQU305 Monitor harvest and post-harvest activities</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.
<b>SFIAQU307 Monitor the operations of a recirculating aquaculture system</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
<b>SFIAQU308 Support hatchery operations</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.
<b>SFIAQU311 Apply control measures for diseases</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.
<b>SFIAQU312 Monitor feed activities</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Dept; WA, Industry, RTO, Government Dept; TAS		
<b>SFIAQU401 Develop and implement a stock health program</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW  RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.
<b>SFIAQU403 Manage water quality and environmental monitoring in enclosed systems</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW  RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.
<b>SFIAQU408 Supervise harvest and post-harvest activities</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW  RTO; QLD, RTO, Government Dept and	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS		
<b>SFIAQU409 Implement, monitor and review stock production</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.
<b>SFIAQU410 Implement a program to operate, maintain or upgrade a recirculating aquaculture system</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.
<b>SFIAQU507 Plan and design water supply and disposal systems</b>		

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.
<b>SFIAQU508 Plan and design stock culture or holding systems and structures</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.
<b>SFIAQU509 Develop stock production plan</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
<b>SFIAQU510 Design a recirculating aquaculture system</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.
<b>SFICPL411 Implement fisheries compliance</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.
<b>SFIOBS303 Collect routine fishery management data</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Dept; WA, Industry, RTO, Government Dept; TAS		
<b>SFIXSI402 Act to prevent interaction with protected species</b>		
Government Dept, Industry; VIC, Industry, RTO; NSW RTO; QLD, RTO, Government Dept and Industry Association; SA, Industry, Industry Association, Government Dept; WA, Industry, RTO, Government Dept; TAS	Minor changes made to existing unit were presented at each Consultation Workshop and online for the duration of the Drafts Available phase.	<b>Noted.</b> No concerns were raised by stakeholders in attendance at Consultation Workshops, including members of the SMEWG, nor via the Online Feedback Hub.



## Proposed units of competency not for further development

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
<b>SFIAQU5X1 Plan the use of new or emerging technology in fisheries or aquaculture</b>		
RTO; QLD	There is already a perfectly good R & D unit available. Conduct Research Trials. No need for this new unit.	<b>Adopted.</b> On advice from the SMEWG and stakeholders consulted, there will be no further development of this unit.
RTO; NSW	Could use AHCWRL505 Manage trial and research material in place of this.	<b>Noted.</b> Thank you.
Industry; VIC	The operator at this level would not do these tasks at Mainstream Aquaculture. Could remove this unit.	<b>Adopted.</b> On advice from SMEWG and stakeholders consulted, there will be no further development of this unit.
Government Dept, Industry; VIC	If you decide to keep this unit, you should add 'Interpret data'.	<b>Noted.</b> This unit will not be developed further and interpret data is covered in <i>SFIAQU3X4 Interpret aquatic digital information</i> .
RTO; SA	Redundant unit, not needed	<b>Adopted.</b> On advice from SMEWG and stakeholders consulted, there will be no further development of this unit.
Government Dept and Industry Association; SA	Scrap both emerging units	<b>Noted.</b> On advice from SMEWG and stakeholders consulted, <i>SFIAQU5X1 Plan the use of new or emerging technology in fisheries or aquaculture</i> will not be developed further.  However, on the request of stakeholders and SMEWG member in QLD, <i>SFIAQU4X3 Prepare for the use of new or emerging aquatic technology</i> will be retained in order to allow for the introduction of new technologies in the near future.
Industry, Government Dept, RTO; TAS	This unit is too generic. The purpose of this unit is questionable as the content is covered in SFIAQU4X1	<b>Adopted.</b> On advice from SMEWG and stakeholders consulted, there will be no further development of this unit.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
	Operate aquatic technology and SFIAQU4X2 Maintain aquatic technology.	
<b>SFIAQU3X3 Conduct remote stock feeding</b>		
RTO; QLD	Should be possible to alter this existing unit to allow for both automatic and hand feed. Remove 'alter waste'.	<b>Adopted.</b> Will not proceed with this unit. All aspects of remote feeding will be incorporated in the existing unit ' <i>SFIAQU206 Feed Stock</i> '.
Industry, RTO; NSW	There are other examples of units being almost the same that take into account different environments. This decision is probably best made by those using automated feeding systems. Definitely need to keep a unit of competency on basic Feed Stock.	<b>Adopted.</b> Will not proceed with this unit. All aspects of remote feeding will be incorporated in the existing unit ' <i>SFIAQU206 Feed Stock</i> '.
RTO; VIC, Industry Association and Industry; NT	Agree there is no need for this unit.	<b>Adopted.</b> Will not proceed with this unit. All aspects of remote feeding will be incorporated in the existing unit ' <i>SFIAQU206 Feed Stock</i> '.
RTO; SA	Agree there is no need for this unit.	<b>Adopted.</b> Will not proceed with this unit. All aspects of remote feeding will be incorporated in the existing unit ' <i>SFIAQU206 Feed Stock</i> '.
Government Dept and Industry Association; SA	Agree there is no need for this unit.	<b>Adopted.</b> Will not proceed with this unit. All aspects of remote feeding will be incorporated in the existing unit ' <i>SFIAQU206 Feed Stock</i> '.
Industry, RTO; QLD	Agree there is no need for this unit.	<b>Adopted.</b> Will not proceed with this unit. All aspects of remote feeding will be incorporated in the existing unit ' <i>SFIAQU206 Feed Stock</i> '.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Industry, Government Dept, RTO; TAS	Agree there is no need for this unit.	<b>Adopted.</b> Will not proceed with this unit. All aspects of remote feeding will be incorporated in the existing unit ' <i>SFIAQU206 Feed Stock</i> '.