

Modification history

Release	Comments
Release 1	This version released with SFI Seafood Industry Training Package Version 2.0.

SFIAQU3X2	Use technology in fisheries or aquaculture
Application	This unit of competency describes the skills and knowledge required to use technology in fisheries or aquaculture. The unit applies to individuals who use fisheries or aquaculture technology under supervision. It includes using technology, concluding activity and providing feedback. No licensing, legislative or certification requirements apply to this unit at the time of publication.
Use Prerequisite Unit	Nil
Unit Sector	Aquaculture

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Identify technology requirements	1.1 Determine workplace requirements and discuss how current or emerging technology may be utilised to complete fisheries or aquaculture tasks with supervisor 1.2 Identify work health and safety (WHS) issues, environmental impacts, and hazards that may be associated with fisheries or aquaculture technology and discuss risk factor mitigation processes with supervisor 1.3 Discuss personal training needs in relation to control room, real time platforms, marine sites, probe and feed technology
2. Perform fisheries and aquaculture activity using technology	2.1 Conduct activity in control room, real time platform and marine site in accordance with workplace procedures 2.2 Use probe and feed technology in a manner that complies with workplace procedures and manufacturer guidelines
3. Finalise and review use of technology	3.1 Conclude activity and conduct technology shut down procedures when required as per workplace requirements 3.2 Record relevant data and observations and report any abnormal records to supervisor or relevant personnel

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Comment [1]: And OR and/or ?

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	<ul style="list-style-type: none"> Identifies and interprets relevant manufacturer specifications
Writing	<ul style="list-style-type: none"> Documents technology performance
Oral communication	<ul style="list-style-type: none"> Uses appropriate technical terminology to communicate technological requirements
Navigate the world of work	<ul style="list-style-type: none"> Interprets job requirements and how the use of current or emerging technology can improve processes
Get the work done	<ul style="list-style-type: none"> Plans and organises own work activities and resources

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
SFIAQU3X2 Use technology in fisheries or aquaculture	N/A		unit

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=e31d8c6b-1608-4d77-9f71-9ee749456273
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TITLE	Assessment requirements for SFIAQU3X2 Use technology in fisheries or aquaculture
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements, performance criteria and foundation skills in this unit.</p> <p>There must be evidence that the individual has used technology in fisheries or aquaculture on at least two occasions.</p> <p>In doing the above, evidence must also include:</p> <ul style="list-style-type: none"> • accessing: <ul style="list-style-type: none"> • probe technology • control room • feed technology • real time platforms • marine site equipment, including hatchery, fish farms and transport • updating personal skills to operate current or emerging technology • observing manufacturer specifications and WHS standards • informing supervisor about the operational capacity and features of technology. 	
Knowledge Evidence	
<p>An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements, performance criteria and foundation skills of this unit. This includes knowledge of:</p> <ul style="list-style-type: none"> • overview of the operational processes in fisheries or aquaculture: <ul style="list-style-type: none"> • fish farms • hatchery • transport of stock and equipment • service of equipment • feed technology • environmental compliance • high-energy sites • real time platforms • probe maintenance • the general features and capabilities of fisheries or aquaculture technology: <ul style="list-style-type: none"> • biological filtration • recirculating aquaculture systems (RAS) • automation • water management systems • overview or technological/digital advancements: <ul style="list-style-type: none"> • Internet of Things (IoT) • 5G • relevant manufacturer specifications • fishery or aquaculture WHS standards • information gathering techniques. 	
Assessment Conditions	

Susie Falk 23/10/2019 1:51 PM
Comment [2]: Does the order matter?

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a fisheries or aquaculture setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - access to or upgraded aquaculture technology
- specifications:
 - access to relevant manufacturer specifications
- relationships:
 - evidence of interactions with relevant personnel.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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