



**Australian Government**

# **SFIAQU415 Operate ROVs**

**Release: 1**

## SFIAQU415 Operate ROVs

### Modification History

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

### Application

This unit of competency describes the skills and knowledge required to operate underwater remotely operated vehicle (ROV) technology.

The unit applies to individuals who operate underwater aquatic ROV technology processes.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety, food safety, biosecurity and environmental regulations, legislation and standards that apply to the workplace.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

### Pre-requisite Unit

Nil

### Unit Sector

Aquaculture (AQU)

### Elements and Performance Criteria

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. Plan the use of an ROV	1.1 Determine the dive task, the suitability and the conditions of the dive site and whether the conditions are suitable for the use of an ROV 1.2 Assess personnel skill level requirements and whether the personnel available are sufficiently trained for vessel management, piloting, tether handling, vehicle maintenance, recording data or controlling an inspection 1.3 Consider the general features and capabilities of the designated

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	ROV for the task requirement and conditions
2. Prepare to operate ROV technology	2.1 Determine activity to be undertaken and the available launch method 2.2 Identify potential hazards and risks and workplace health and safety standards 2.3 Identify the operational features of the ROV technology and its use in aquatic operations 2.4 Conduct ROV technology routine pre-operational checks 2.5 Determine how the site conditions will affect the dive task
3. Use ROV technology	3.1 Conduct pre-check and start-up procedures according to workplace practices 3.2 Operate ROV technology to meet activity requirements according to manufacturer specifications and aquatic health and safety standards 3.3 Maintain ROV technology position within the range and level of exposure to prevailing and anticipated environmental conditions 3.4 Manage the tether effectively according to environmental conditions 3.5 Monitor ROV technology for performance with regard to activity requirements and conditions 3.6 Identify environmental and biosecurity implications associated with use of ROV technology, and undertake processes to minimise impact 3.7 Continually monitor hazards and risks and ensure safe use of technology
4. Complete use of ROV technology	4.1 Establish return and communicate intentions with the tether handler and/or vessel coxswain 4.2 Locate the tether and follow it to the return position while taking the tether in and ensuring to take out the tether turns 4.3 Surface and power down, disarming after the vehicle is secure, and recover to deck or shore 4.4 Rinse with freshwater and carry out post-dive checks and maintenance according to manufacturer specifications 4.5 Store ROV technology in line with workplace procedures 4.6 Identify and report faults, irregular performance or damage

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	according to workplace procedures 4.7 Document findings following the use of ROV technology

## 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.*

<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Identify and interpret relevant manufacturer specifications</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Record ROV technology performance with appropriate technical detail</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Communicate effectively and directly using appropriate technological terminology</li> </ul>

## Unit Mapping Information

<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
SFIAQU415 Operate ROVs	Not applicable	Unit has been created to address an emerging skill required by industry	Newly created

## Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=e31d8c6b-1608-4d77-9f71-9ee749456273>