



**Australian Government**

# **Assessment Requirements for SFIAQU413 Maintain aquabotic technology**

**Release: 1**

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## Modification History

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

## Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has conducted maintenance or repairs of aquabotic technology on at least two occasions.

In doing the above, there must also be evidence that the individual has:

- identified hazards
- diagnosed technical issues
- followed manufacturer specifications, workplace health and safety standards and workplace policies
- ensured aquabotic technology features operate effectively.

## Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- equipment and vehicles associated with aquabotic technology:
  - autonomous underwater vehicle (AUV)
  - remotely operated vehicle (ROV)
  - new and emerging aquabotic technology
- the operational features and capabilities of aquabotic technology, including:
  - video cameras
  - robotic arms
  - high-torque motors
  - live remote control and data sharing
  - configurable sensor suite to measure depth, temperature, orientation and global positioning system (GPS)
  - battery life

- lighting
- computer systems
- relevant manufacturer specifications
- aquatic workplace health and safety standards
- fault/irregularity and maintenance reporting processes
- resources required for the maintenance of aquabotic technology:
  - tools
  - cleaning material
  - spare parts
  - cables.

## Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
  - skills must be demonstrated in an aquatic setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - aquabotic technology
- specifications:
  - relevant manufacturer specifications.

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

## Links

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