



Australian Government

Assessment Requirements for SFIAQU412 Operate 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 operated aquabotic technology in aquatic processes on at least two occasions.

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

- identified operational features and hazards while using aquabotic technology
- monitored the use of aquabotic technology
- performed fault finding
- complied with manufacturer specifications, workplace health and safety standards and workplace policies.

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:

- aquatic operational processes:
 - underwater survey missions
 - environmental and compliance monitoring
 - stock locations
 - observational studies
 - offshore structure cleaning
 - vessel hull inspection
 - net inspection and repair
 - net cleaning
- the general 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
- position fixing
- relevant manufacturer specifications
- aquatic workplace health and safety standards
- aquabotic technology environmental and biosecurity impacts
- state, territory and national legislation and regulations relevant to aquaculture.

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:
 - access to aquabotic technology
- specifications:
 - access to 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>