



Australian Government

**Assessment Requirements for SFIAQU410
Implement a program to operate, maintain
or upgrade a recirculating aquaculture
system**

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Modification History

Release	Comments
Release 2	This version released with SFI Seafood Industry Training Package Version 2.0.
Release 1	This version released with SFI Seafood Industry Training Package Version 1.0.

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 planned and implemented a program to operate, maintain or upgrade a recirculating aquaculture system on at least one occasion, including:

- documenting a work plan for the operations, maintenance or upgrade of the system that includes contingency plans and resources and labour requirements
- monitoring the operations, maintenance or upgrade for the system against work specifications and plan, ensuring it complies with biosecurity regulatory requirements
- effectively communicating information about operations, maintenance or upgrades to the work team and senior personnel
- maintaining accurate records and reports on progress and budget.

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:

- relevant legislative requirements relating to recirculating aquaculture systems
- approaches to coordinating operations
- impacts of inputs on systems and component operation and on maximum operation loads
- requirements for record-keeping, data collection and analysis
- forward planning and risk management for events, such as blackouts, brownouts and equipment breakdowns
- importance of optimised production to achieve sound economic outcomes

- mechanical and technical aspects of recirculation systems, including energy use, mass balance, water hydraulics and flow, and pumps and pipe work
- monitoring basic and advanced environmental and water quality parameters.

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 aquaculture workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - recirculating aquaculture system to be maintained or upgraded
- specifications:
 - documentation relevant to the operations, maintenance or upgrade program, including design specifications for the components, system or facility to be maintained or upgraded
 - workplace forms and recording technology
- relationships:
 - evidence of interactions with senior personnel and staff.

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>