



Australian Government

Assessment Requirements for SFIAQU506 Manage an aquaculture research trial

Release: 1

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Modification History

Release	Comments
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 developed and managed an aquaculture research trial on at least one occasion, including:

- developing research question and experiment design parameters for the research trial
- allocating resources for the research trial
- conducting and testing research methodologies and outcomes
- communicating effectively about the goals, procedures and outcomes of the research trial
- recording and analysing data using a reliable tool
- documenting research findings and outcomes.

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:

- key principles of experimental and scientific design processes
- sources of advice and expertise relevant to research trial
- types and methods of statistical analyses
- methods and formats for reporting research outcomes and recommendations
- operation, maintenance and calibration of monitoring equipment.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in an aquaculture facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:

- materials and resources to support the research trial
- monitoring equipment to collect data
- technology for collating, analysing and presenting data and information
- specifications:
 - access to health and safety and environmental policies and legislation relating to aquaculture operations
- relationships:
 - access to personnel for advice and expertise relevant to research trial.

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>