



Australian Government

SFIBIO401 Apply aquaculture biosecurity measures

Release: 1

SFIBIO401 Apply aquaculture biosecurity measures

Modification History

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

Application

This unit of competency describes the skills and knowledge required to apply control measures according to the aquaculture farm biosecurity plan.

The unit applies to individuals who are responsible for incorporating biosecurity measures in their own work and the work of others.

All work must be carried out to comply with workplace procedures, according to state/territory health and 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

Biosecurity (BIO)

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. Identify biosecurity control measures	1.1 Access organisation aquaculture biosecurity plan 1.2 Identify aquatic diseases or pests that are considered biosecurity threats to the organisation from the plan and other sources of information 1.3 Identify control measures to minimise the risk of identified aquatic

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	diseases or pests entering the property
2. Apply biosecurity control measures	2.1 Apply control measures related to transmission routes onto, within and from the aquaculture farm 2.2 Apply control measures related to movement of vectors of disease into, out of and within the aquaculture farm 2.3 Apply control measures related to farm production practices 2.4 Incorporate control measures into own work routines and others of responsibility
3. Maintain records related to biosecurity	3.1 Ensure records of stock and equipment are kept for traceability of farm inputs and farm outputs according to own work responsibility 3.2 Retain monitoring and surveillance data
4. Monitor biosecurity procedures	4.1 Monitor effectiveness of control measures in addressing risks 4.2 Monitor work duties of self and others to ensure biosecurity control measures are applied appropriately 4.3 Report issues and concerns with biosecurity to senior personnel

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.

Skill	Description
Reading	Interprets workplace procedures and biosecurity plans for identifying and responding to biosecurity risks
Navigate the world of work	Takes responsibility for adherence to workplace compliance requirements relating to identifying and responding to biosecurity risks and own role
Interact with others	Uses appropriate communication protocols and channels when seeking advice and reporting on biosecurity risks

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
SFIBIO401 Apply aquaculture biosecurity measures	Not applicable	New unit	No equivalent unit

Links

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

Assessment Requirements for SFIBIO401 Apply aquaculture biosecurity measures

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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 applied aquaculture biosecurity measures on at least one occasion, including:

- locating information from the aquaculture organisation biosecurity plan and government and industry biosecurity websites, on:
 - aquaculture diseases and pests that are potential biosecurity threats to the organisation
 - control measures that can minimise the risk of diseases or pests entering or spreading from the property
- applying control measures in own work routines for:
 - farm inputs
 - farm outputs
 - movement of vectors of disease
 - production practices
- keeping accurate and current farm records
- evaluating and reporting on the effectiveness of biosecurity control measures.

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:

- local, state and national regulatory requirements for aquaculture biosecurity
- aquaculture biosecurity risk analysis
- government and industry biosecurity websites relevant to the aquaculture farm biosecurity plan
- diseases or pests that pose a biosecurity threat to the aquaculture organisation
- good biosecurity practices and control measures for:
 - farm inputs

- farm outputs
- movement of people
- movement of stock
- vessels, vehicles and equipment
- production practices
- wild aquatic and non-aquatic animals
- record keeping for traceability (both trace back and trace forward) of farm inputs and outputs
- record keeping for retention of monitoring and surveillance data
- processes for monitoring effectiveness of control measures
- process for reporting biosecurity concerns and issues.

Assessment Conditions

Assessment of skills 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:
 - information sources on biosecurity issues and risks
 - aquatic stock
- specifications:
 - access to organisation biosecurity plan
 - workplace procedures relating to biosecurity protocols, including identifying and responding to biosecurity risks
- relationships:
 - evidence of interactions with senior personnel and authorities.

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

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