



**Australian Government**

# **SFIBIO501 Plan and implement an aquaculture biosecurity plan**

**Release: 1**

# SFIBIO501 Plan and implement an aquaculture biosecurity plan

## 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 plan, develop, implement and review an aquaculture biosecurity plan that includes a set of control measures designed to protect a property from the entry and spread of pests and diseases.

This unit applies to individuals who have specialised knowledge and technical and/or managerial responsibility for planning and implementing biosecurity control measures within an aquaculture setting.

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. Conduct research for developing a biosecurity plan	1.1 Consider the need, purpose and regulatory requirements for a biosecurity plan 1.2 Identify approved sector-specific biosecurity plans or guidelines to guide development of farm plan 1.3 Identify diseases and pests that could produce adverse consequences to aquatic animal health and farm productivity 1.4 Identify the major transmission routes onto, within and from the

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	farm
2. Develop control measures for biosecurity risks	<p>2.1 Assess the level of biosecurity risks associated with entry, development, establishment and spread of diseases and pests</p> <p>2.2 Examine transmission routes onto, within and from the aquaculture farm and identify practices to minimise risk of introducing and spreading diseases and pests</p> <p>2.3 Examine movement of vectors of disease into, out of and within the aquaculture farm and identify practices to minimise risk of introducing and spreading diseases and pests</p> <p>2.4 Examine farm production practices and identify practices to minimise risk of introducing and spreading diseases and pests</p> <p>2.5 Identify wild aquatic and non-aquatic animals relevant to the farm and determine options for their control</p> <p>2.6 Establish and document control measures based on biosecurity risk analysis</p>
3. Develop control measures for staff training and record keeping	<p>3.1 Identify and document staff training requirements to implement control measures</p> <p>3.2 Establish recording requirements according to regulatory requirements and industry best practice</p>
4. Develop, implement, monitor and review biosecurity plan	<p>4.1 Develop the biosecurity plan based on documented risk analysis process and specific risk control measures</p> <p>4.2 Develop standard operating procedures based on new biosecurity processes</p> <p>4.3 Induct and train staff in standard operating procedures relevant to their role and responsibility</p> <p>4.4 Implement standard operating procedures and monitor staff performance</p> <p>4.5 Monitor effectiveness and progress of control measures against plan</p> <p>4.6 Monitor regulatory requirements and industry standards relevant to biosecurity and incorporate in plan</p> <p>4.7 Revise and amend risk assessment and control measures as required</p> <p>4.8 Review staff training and induction records to ensure staff are able</p>

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	to implement biosecurity control measures appropriate to their role

## 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	<ul style="list-style-type: none"> <li>Researches and analyses biosecurity information from a range of sources</li> <li>Interprets business and legal requirements in documentation</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Documents the biosecurity plan and standard operating procedures using appropriate format, clear language and correct technical terminology</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Quantifies resource costs relevant to implementing the biosecurity plan</li> </ul>
Navigate the world of work	<ul style="list-style-type: none"> <li>Understands legislative and regulatory requirements</li> </ul>
Get the work done	<ul style="list-style-type: none"> <li>Uses systematic, analytical processes to identify and solve problems and make decisions relating to biosecurity risk assessment</li> <li>Uses workplace digital systems and tools to access, organise and analyse data and information relevant to developing and implementing a biosecurity plan</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
SFIBIO501 Plan and implement an aquaculture biosecurity plan	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>