



Australian Government

SFIAQU503 Establish an aquaculture facility

Release: 1

SFIAQU503 Establish an aquaculture facility

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 establish an aquaculture business initiative. It includes the ability to define the business opportunity and operational requirements and coordinate development of the facility or worksite.

This unit applies to individuals who have technical and management responsibility for starting up or expanding an aquaculture business operation.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Aquaculture (AQU)

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. Define facility requirements	1.1 Define target market opportunity or business need based on appropriate evidence, industry practice and analysis 1.2 Select species, culture technology and size of operation based on analysis 1.3 Research mechanisation or automation of process or activity and the use of specialised contract services if required 1.4 Identify legal requirements impacting on a proposed facility

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Choose a worksite	2.1 Scan property market purchase or leasing possibilities 2.2 Enter into contractual arrangements based on legal requirements and business plan
3. Develop a worksite plan	3.1 Incorporate features of the site into worksite plan to allow most effective construction program 3.2 Draw up construction plan, including budget and work schedule, in consultation with senior personnel 3.3 Obtain relevant building or development permits or approvals
4. Coordinate construction	4.1 Organise appropriate labour, materials and resources and carry out construction according to construction work plan and drawings 4.2 Monitor contractors, consultants and construction work against drawings and work plans, and negotiate deviations and emerging issues 4.3 Commission site, ensuring all systems are operational according to plans and permits or approvals

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	- Researches and analyses technical information from a range of sources - Interprets business and legal documentation - Interprets specifications and drawings
Writing	Prepares plans using appropriate format and clear language
Numeracy	- Calculates costs and reconciles against schedules and plans - Quantifies labour, material and resource requirements
Oral communication	Participates in complex verbal exchanges to convey and explain information clearly using language appropriate for the audience
Navigate the world of	Works independently and collectively within broad parameters, taking responsibility for plans, decisions and outcomes relating to

Skill	Description
work	new facility Understands legislative and regulatory requirements, with specific reference to business establishment, and planning and building requirements, recognising problems that have the potential to become legal issues and taking steps to address them before they escalate
Interact with others	Negotiates and liaises collaboratively with a range of personnel working on the new facility, influencing direction and taking a leadership role on occasion
Get the work done	Uses workplace digital systems and tools to access and analyse costs, data and information relevant to the aquaculture facility

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
SFIAQU503 Establish an aquaculture facility	SFIAQUA503C Establish an aquacultural enterprise	Updated to meet Standards for Training Packages Revised unit title	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 SFIAQU503 Establish an aquaculture facility

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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 identified and planned the establishment of an aquaculture facility on at least one occasion, including:

- developing a business plan that establishes the proposed target market, species, size of operation, resources and legal requirements
- developing a worksite plan based on the identification of efficient worksite that is fit for purpose
- developing a construction and work plan that incorporates budget, coordination of resources, contractors and building permits and approvals.

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:

- species options and business market and demand
- options for technology, site and size of operation
- benefits and limitations of options for mechanisation or automation of process or activity
- features of site plans, specifications and working drawings
- laws and regulations relating to facility operations
- key features of buying or leasing contracts
- key principles of project and budget management
- building laws and regulations for proposed worksite
- options for management and employment of contractors and consultants.

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:
 - technology for researching and documenting information
- specifications:
 - budget
 - business plan
 - worksite plan and specifications
- relationships:
 - evidence of interactions with external personnel and contractors.

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

Links

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