

Modification history

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

SFIAQU409	Implement, monitor and review stock production
Application	<p>This unit of competency describes the skills and knowledge required to implement and monitor a stock product plan, and review and improve on production performance.</p> <p>The unit applies to personnel who have technical and coordination responsibilities for stock production and for improving production outcomes in an aquaculture facility.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Aquaculture (AQU)

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. Implement and monitor stock production plan	1.1 Convey production plan, policies and procedures to staff for implementation 1.2 Assess feed supplies against production plan and feeding schedule 1.3 Monitor distribution schedules and vary stocking rates, as required 1.4 Monitor stock growth or production using an appropriate performance recording system 1.5 Carry out harvesting according to workplace requirements to meet sales goals 1.6 Monitor stock health and promptly control any pest, parasite or disease outbreaks with samples being sent to relevant authorities 1.7 Monitor effects of feeds and health treatments on stock, and take actions to avoid or minimise stock health problems and negative effects on product quality 1.8 Review progress of production regularly with staff
2. Continually review and improve production performance	2.1 Maintain physical and operations records for analysis and evaluation of production performance for senior management 2.2 Evaluate production performance at each stage to determine sustainability and profitability and for use in reviewing and revising production plans 2.3 Obtain and assess information on innovations relating to existing or potential workplace and facility activities to determine their relevance and possible application 2.4 Test relevant innovations to determine their suitability and adaptability, and report outcomes to senior management 2.5 Keep senior management informed of production schedule and performance

Foundation Skills	
<i>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.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Extracts data and information from journals, websites, magazines, books and trade journals Interprets aquatic engineering, culture technology and species biology information Interprets and analyses monitoring schedules
Numeracy	<ul style="list-style-type: none"> Calculates resource requirements and reconciles with production plan
Oral communication	<ul style="list-style-type: none"> Explains production plan requirements clearly using language appropriate for audience
Navigate the world of work	<ul style="list-style-type: none"> Works independently and collectively within broad parameters, taking responsibility for plans, decisions and outcomes relating to stock production
Interact with others	<ul style="list-style-type: none"> Collaborates with others contributing knowledge and skills to achieve work outcomes
Get the work done	<ul style="list-style-type: none"> Uses systematic, analytical processes to identify and solve problems and make decisions at each production stage

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
SFIAQU409 Implement, monitor and review stock production	SFIAQUA409B Implement, monitor and review stock production	Updated to meet Standards for Training Packages Minor amendments to performance criteria for clarity	Equivalent unit

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

TITLE	Assessment requirements for SFIAQU409 Implement, monitor and review stock production
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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 implemented, monitored and reviewed stock production on at least one occasion, including:

- communicating with staff and senior management on stock husbandry and production operations
- monitoring growth, health and welfare of stock against the workplace stock production plan
- maintaining and analysing records on stock production
- assessing and testing at least one profitable innovation option.

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:

- purpose of production plans, and methods for monitoring and reviewing performance against plan
- culture stock physiology, biology and ecology
- water quality and environmental testing techniques
- disease surveillance and treatment protocols
- environmental protection guidelines in relation to stock production
- [biosecurity regulations](#)
- production methods for a range of species or stock
- stock husbandry and management
- safe work practices in the context of stock production
- [continuous improvement processes and innovative approaches used in improving production performance, including mechanisation and automation research.](#)

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:
 - stock to monitor
 - testing and monitoring equipment
 - workplace forms and recording technology
- specifications:
 - stock production plan
 - workplace procedures relating to stock production
- relationships:
 - evidence of interactions with management and staff members.

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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