

Modification history

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

SFIAQU509	Develop stock production plan
Application	<p>This unit of competency describes the skills and knowledge required to develop a stock production plan based on the analysis of facility operations and labour, equipment and transport requirements.</p> <p>This unit applies to individuals who have specialised knowledge and technical and/or management responsibilities for stock production in an aquaculture operation.</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. Determine requirements for stock production	1.1 Establish cultured or held stock production targets for each stage or component of operations consistent with marketing and business plans and sustainable aquaculture practices 1.2 Obtain current information on government regulations relevant to farm ownership and production to ensure policies and procedures are compliant 1.3 Assess production facility requirements to achieve production plan targets 1.4 Research mechanisation or automation of process or activity, including the use of specialised contract services for potential inclusion in stock production plan 1.5 Determine labour and equipment requirements to achieve stock production targets 1.6 Determine handling, harvesting and on-farm transport requirements for all stock
2. Develop plan	2.1 Develop production plan incorporating identified requirements <u>and biosecurity regulations</u> 2.2 Incorporate a calendar of operations for each production cycle in the plan 2.3 Draw up schedules indicating the timing of purchases and use of inputs and services used in production 2.4 Develop a post-harvest program for each stock category 2.5 Establish environmental controls and security arrangements according to workplace procedures

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"> Researches and extracts technical information relating to stock production and mechanical and automation options from a range of sources
Writing	<ul style="list-style-type: none"> Documents detailed production plans and supporting schedules using workplace formats, clear language and accurate technical terminology
Numeracy	<ul style="list-style-type: none"> Quantifies resource requirements to meet targets within production cycles Interprets financial information for forecasting and budgeting
Navigate the world of work	<ul style="list-style-type: none"> Understands compliance and regulatory requirements relating to own role and area of responsibility
Get the work done	<ul style="list-style-type: none"> Plans, schedules and coordinates multiple activities and resources to meet market, on-farm processing and off-farm transport requirements, monitoring actions against stated goals, and adjusting plans and resources to cope with contingencies Uses systematic, analytical processes to identify and solve stock production problems Uses key features and functions of workplace digital systems and tools to access, organise and analyse costs, data and information relevant to stock production planning
Reading	<ul style="list-style-type: none"> Researches and extracts technical information relating to stock production and mechanical and automation options from a range of sources

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
SFIAQU509 Develop stock production plan	SFIAQUA509B Develop stock production plan	Updated to meet Standards for Training Packages	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 SFIAQU509 Develop stock production plan
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has developed on at least one occasion a stock production plan for an aquaculture organisation, including:</p> <ul style="list-style-type: none"> • accurately determining labour, equipment and other requirements for each stage of stock production operation • detailing implementation of the plan, including security arrangements and environmental controls. 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • key biological and physical requirements of stock impacting on production planning • requirements and costs of disease surveillance and health management protocols • key requirements of legislation, <u>biosecurity</u> regulations and codes of practice impacting on aquaculture stock production • <u>mechanisation or automation research</u> • cycles and stages of stock production • characteristics of stock health • stock husbandry and management techniques relevant to stock production • requirements of stock nutrition or feeding, including costs • benefits and limitations of options for use of specialised contract services • impact of a production plan on the organisation's finances and profitability. 	
Assessment Conditions	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • skills must be demonstrated in an aquaculture workplace or an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • technology for researching and preparing and presenting information • specifications: <ul style="list-style-type: none"> • workplace marketing and business plans, including data on targets and costs • workplace policies or procedures on sustainable aquaculture practices. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=e31d8c6b-1608-4d77-9f71-9ee749456273