

Modification history

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

SFIAQU402	Coordinate construction or installation of stock culture, holding and farm structures
Application	<p>This unit of competency describes the skills and knowledge required to coordinate construction or installation activities of stock culture, holding and farm structures according to design specifications. It requires the ability to supervise the work of others and prepare maintenance and repair schedules, procedures and protocols.</p> <p>The unit applies to individuals who have responsibility for the construction or installation of stock culture or holding systems, including water supply and disposal systems, and farm structures in an aquaculture environment.</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. Prepare for construction or installation of structures	1.1 Confirm design specifications for stock culture or holding structure and systems, including water supply and disposal systems, prefabricated buildings and farm structures, with senior personnel 1.2 Prepare construction plan and schedule activities according to workplace procedures and in consultation with senior personnel 1.3 Order materials and arrange contractors and tradespeople to meet scheduled activity 1.4 Book construction equipment according to specifications and in consultation with senior personnel. 1.5 Check raw and prefabricated materials against delivery manifest or specifications 1.6 Prepare and secure site according to specifications 1.7 Brief staff on work objectives and procedures, including health and safety requirements relevant to the site, equipment being used and the type of construction or installation
2. Coordinate construction or installation	2.1 Monitor construction or installation progress against the construction work plan and design specifications 2.2 Confirm availability of materials, equipment and labour, including contractors or tradespeople, according to workplace procedures 2.3 Anticipate, avoid or minimise potential problems through forward planning and contingency planning 2.4 Give feedback to staff on work progress and performance on a regular basis 2.5 Give reports to management on project progress, costs and any problems arising from construction or installation project 2.6 Check finished product to ensure that it fits design specification and is effective or operable

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
3. Prepare maintenance and repairs schedule, procedures and protocols	3.1 Prepare and document maintenance and repair schedules in consideration of other facility plans 3.2 Establish and document procedures for maintenance and repair tasks in the maintenance and repair schedule 3.3 Purchase or hire hand and power tools and spare parts required for maintenance 3.4 Establish and document protocols for hiring tradespeople and internal reporting and communications 3.5 Brief supervisors and management on schedule, protocols and workplace procedures that have been established and documented, including continuous improvement processes

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"> Interprets and analyses construction plans and design specifications to determine requirements Interprets a range of information relevant to ordering materials and obtaining labour for construction activity
Writing	<ul style="list-style-type: none"> Prepares and logically structures workplace reports, schedules and procedures using accurate terminology
Numeracy	<ul style="list-style-type: none"> Estimates and calculates measurements of length, area, volume and time Calculates quantities of materials and costs against specified requirements and on-site usage patterns Calculates labour resources required for construction activity Monitors costs
Oral communication	<ul style="list-style-type: none"> Participates in verbal exchanges to report and present information and provide feedback to a range of personnel
Navigate the world of work	<ul style="list-style-type: none"> Meets expectations and adheres to legislative and regulatory requirements relating to own role and area of responsibility
Interact with others	<ul style="list-style-type: none"> Selects and uses appropriate communication practices when seeking information or sharing information with others
Get the work done	<ul style="list-style-type: none"> Plans and sequences relatively complex tasks to achieve construction and installation outcomes safely and efficiently Monitors actions and adjusts plans and resources to cope with contingencies Uses familiar digital systems and tools to access, organise, analyse and display information relevant to role and construction and installation activities

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
SFIAQU402 Coordinate construction or installation of stock culture, holding and farm structures	SFIAQUA402C Coordinate construction or installation of stock culture, holding and farm structures	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
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TITLE	Assessment requirements for SFIAQU402 Coordinate construction or installation of stock culture, holding and farm structures
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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 coordinated the construction or installation of a stock culture or holding and farm structure, including:

- accurately interpreting design plans and construction specifications and schedule
- briefing staff on work objectives, work procedures and health and safety requirements
- developing and implementing a construction work plan and schedule based on labour and resource requirements
- monitoring and reporting on work plan activities
- establishing and documenting protocols and procedures for carrying out maintenance and repair tasks,
- hiring tradespeople and or contractors
- internal reporting and communications
- establishing a maintenance and repair schedule for stock culture, holding and farm structures or systems.

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:

- design principles and components of specific water supply and disposal systems of stock culture, holding and farm structures
- purpose and application of buildings and structures in production processes
- process steps for the construction and installation of stock culture, holding and farm structures or systems
- construction, installation and assembling techniques for stock culture, holding and farm structures
- building regulations relevant to the construction program
- basic surveying techniques relevant to the construction
- health and safety requirements for construction and installation activities
- characteristics and general principles of construction of plumbing and fittings
- operating principles of specific types of pumps and treatment structures
- maintenance requirements and skills needed for specific culture, holding and farm structures, water supply and disposal systems or structures and associated components
- manufacturer specifications for installation and maintenance of equipment or systems.

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
- specifications:
 - design specifications for structures, including water supply and disposal system, to be constructed or installed
 - workplace procedures and construction schedule
 - manufacturer specifications for installation and maintenance of equipment or systems
- relationships:
 - evidence of interaction with staff member and others involved in the construction of stock culture or holding structures, and farm structures.

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

Links	Companion Volumes, including Implementation Guides, are available at VETNet:
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