

Modification history

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

SFIFSH310	Adjust and position fishing gear
Application	<p>This unit of competency describes the skills and knowledge required to adjust and position fishing gear before deployment, fishing and retrieval in order to maximise catch.</p> <p>The unit applies to individuals who work with a range of fishing gear in fishing operations, including beach seines, mesh nets and gill nets, demersal fish and prawn trawls, drop lines and long lines, hand operated lines, pots and traps, purse seines and traditional fishing methods, tools and equipment.</p> <p>All work must be carried out to comply with workplace procedures, according to state/territory health and safety, biosecurity and environmental regulations, legislation and standards that apply to the workplace.</p> <p>No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Fishing Operations (FSH)

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. Organise work area to adjust fishing gear	1.1 Select required fishing gear and equipment, including personal protective equipment, according to fishing operations plan 1.2 Identify and rectify unsafe and inefficient aspects of the work area 1.3 Give team members clear instructions about the task and methods to be used 1.4 Ensure necessary resources required for the task are readily available 1.5 Check tools, equipment and techniques devised for maintaining and readying fishing devices for deployment are appropriate for planned operations
2. Adjust components of fishing gear to optimise catch	2.1 Assess effectiveness of sub-optimal fishing gear performance against workplace criteria 2.2 Make observations on catch and fishing device components to provide data on position, symmetry and performance 2.3 Assess effectiveness of deployment of fishing device components by comparing catches and observed operation of components with gear plans 2.4 Adjust, recondition or construct fishing device components to rectify sub-optimal gear performance
3. Position fishing gear to optimise catch	3.1 Develop a fishing strategy that incorporates all relevant factors 3.2 Monitor position, concentration and movement of the target species, and environmental and other characteristics of area of operation, by visual and electronic means 3.3 Monitor and adjust positions of vessel and fishing device during deployment and retrieval to optimise catch and avoid hazards 3.4 Anticipate fishing device movement and alter its position to maintain desired position by changing vessel course and speed 3.5 Analyse catches to determine effectiveness and performance of fishing device

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"> • Interpret gear plans • Read and record data obtained from electronic detection equipment • Read tide tables
Numeracy	<ul style="list-style-type: none"> • Estimate the time taken for the fishing gear to reach a feature identified by the echo sounder on the vessel • Read and record data obtained from electronic detection equipment
Navigate the world of work	<ul style="list-style-type: none"> • Take responsibility for decisions about when and how to complete tasks and coordinate with others
Interact with others	<ul style="list-style-type: none"> • Use appropriate vocabulary, including technical language directly relevant to role

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
SFIFSH310 Adjust and position fishing gear	SFIFISH310A Adjust and position fishing gear	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 SFIFSH310 Adjust and position fishing gear
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Performance Evidence

An individual demonstrating competency must satisfy all the elements and performance criteria of this unit. There must be evidence that the individual has maintained, adjusted and positioned fishing gear and vessel to optimise catch on at least one occasion including:

- organising work area, fishing gear and related equipment
- communicating task requirements to team members
- identifying indicators of sub-optimal fishing gear performance
- identifying viable stocks or determining productive grounds and water in response to information from various sources
- making adjustments and positioning fishing gear to optimise performance including:
 - manoeuvring a vessel which is towing trawl gear along a predetermined route
 - manoeuvre a vessel which is towing trawl gear or deploying purse seine, beach seining or gill netting gear along a predetermined route
 - place a line at a predetermined position in the presence of a moderate current
- applying health and safety requirements.

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:

- factors that determine optimal gear performance for beach seines, mesh nets or gill nets:
 - ballast and floatation
 - gear symmetry
 - headline height
 - mesh size, net material and hanging ratio
 - over- and under-spreading
 - satisfactory ground contact
- factors that determine optimal gear performance for hand operated line, drop line and long line fishing gear:
 - gear dimensions and fishing depth
 - hook type
 - sequence, type and quality of bait and burley
- factors that determine optimal gear performance for pots and traps:
 - bait
 - pot or trap construction
 - pot or trap covering material
 - satisfactory ground contact
- factors that determine optimal gear performance for demersal fish and prawn trawls:
 - gear symmetry
 - headline height
 - otter board operating efficiency
 - over and under-spreading
 - satisfactory ground contact
- fish behaviours affecting fishing gear adjustment and positioning.

Assessment Conditions	
<p>Assessment of this unit of competency 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 a fully operational fishing vessel or an environment that accurately represents workplace conditions• resources, equipment and materials:<ul style="list-style-type: none">• access to stocks of appropriate target species• fishing gear and associated equipment• specifications:<ul style="list-style-type: none">• workplace procedures for fishing operations that includes advice on health and safety and environmental requirements• vessel operating and safety procedures• relationships:<ul style="list-style-type: none">• interactions with team members. <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