

Modification history

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

SFIFSH215	Apply deckhand skills aboard a fishing vessel
Application	<p>This unit of competency describes the skills and knowledge required to carry out deckhand duties aboard a fishing vessel. It includes the ability to work ropes, operate winches and windlasses, assist in anchoring and mooring and secure the vessel.</p> <p>The unit applies to individuals who undertake defined routine deckhand activities aboard a fishing vessel under the direction of a supervisor.</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. Use and maintain ropes	1.1 Select and fit the required personal protective equipment according to health and safety requirements 1.2 Check ropes for wear and maintain, coil and stow according to workplace procedures 1.3 Tie bends, hitches and other knots neatly and securely and use them according to their application 1.4 Splice ropes neatly and securely according to their correct application 1.5 Whip rope ends, as required, to maintain good condition
2. Operate winches, capstans and windlasses	2.1 Select, check and prepare winches, capstans and windlasses for operation according to manufacturer instructions before use 2.2 Operate winches, capstans and windlasses safely to carry out fishing vessel deck operations
3. Secure the vessel at anchor	3.1 Prepare anchor and equipment according to depth of water, weather and sea conditions, and tidal range before letting go 3.2 Run out or recover quantity of anchor cable according to instructions 3.3 Maintain control of the cable within safe operating limits during normal operation 3.4 Ensure degree to which the anchor and equipment is secured on completion of anchoring operations is appropriate to forecast conditions and according to instructions 3.5 Carry out anchor winch operations according to anchoring requirements and manufacturer instructions 3.6 Keep anchoring area free of loose ropes, wires and debris during operations

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
4. Secure and adjust the vessel position during mooring operations	<p>4.1 Handle mooring lines and associated equipment according to health and safety requirements and manufacturer instructions</p> <p>4.2 Keep mooring area free of loose ropes, wires and debris during operations</p> <p>4.3 Maintain tension on mooring lines at a level appropriate to the stage and nature of the operation when warping the vessel or maintaining position</p> <p>4.4 Report incidents to supervisor in a clear, concise and timely manner to maximise the mooring security of the vessel</p> <p>4.5 Secure mooring lines according to orders, forecast tidal conditions and planned vessel operations</p> <p>4.6 Recognise and promptly take corrective action for equipment malfunction or problems during operations</p>
5. Monitor the situation of the vessel when moored or anchored	<p>5.1 Plan and carry out monitoring operations according to workplace and safety requirements</p> <p>5.2 Ensure frequency, timing and coverage of scheduled checks and inspections comply with watch-keeping instructions</p> <p>5.3 Ensure action taken in the event of irregularities or abnormal conditions is appropriate to their significance and within own responsibility to implement</p> <p>5.4 Report incidents to supervisor in a clear, concise and timely manner to maximise the safety and integrity of the vessel</p> <p>5.5 Ensure restrictions for visitor access to the vessel are according to watch-keeping instructions</p>
6. Secure the vessel	<p>6.1 Plan and carry out checks on vessel security according to workplace and safety requirements</p> <p>6.2 Ensure coverage and frequency of checks and inspections on the vessel's seaworthiness comply with orders received</p> <p>6.3 Check watertight integrity and take appropriate action to prepare for prevailing and forecast weather and sea conditions</p> <p>6.4 Ensure degree to which the vessel is secured is appropriate to prevailing and forecast conditions and complies with orders received</p> <p>6.5 Ensure action taken in the event of irregularities is appropriate to their significance and within own responsibility to implement</p> <p>6.6 Complete reports of conditions accurately and correctly and to workplace requirements</p> <p>6.7 Report incidents to supervisor in a clear, concise and timely manner to allow for remedial action</p>

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
Numeracy	<ul style="list-style-type: none"> Estimate safe working loads of ropes and wires Read levels of tanks and void spaces Read temperature-monitoring devices
Reading	<ul style="list-style-type: none"> Read safety information and procedures
Interact with others	<ul style="list-style-type: none"> Select and use appropriate terminology when communicating with crew Cooperate with crew to rectify problems, emergencies, health and safety hazards and operational maintenance requirements
Get the work done	<ul style="list-style-type: none"> Make routine decisions and implement standard solutions and responses to familiar problems and incidents

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
SFIFSH215 Apply deckhand skills aboard a fishing vessel	SFIFISH215B Apply deckhand skills aboard a fishing vessel	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 SFIFSH215 Apply deckhand skills aboard a fishing vessel
Performance Evidence	
<p>An individual demonstrating competency must satisfy all the elements and performance criteria of this unit. There must be evidence that the individual has applied deckhand skills aboard a fishing commercial vessel on at least one occasion including:</p> <ul style="list-style-type: none"> • using required personal protective equipment • maintaining and repairing ropes and lines • performing knots, bends, hitches, splicing and whipping • preparing and operating winches and capstans associated with fishing for use and control during operation • preparing anchor equipment for use and control during operation • performing routine checks and inspections of vessel security, seaworthiness, watch-keeping duties • monitoring and controlling access • reporting incidents • completing mooring operations • identifying malfunctions or possible problems and implementing contingency plans • reporting on conditions • 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:

- mooring ropes including:
 - splicing rope, knots, bends and hitches and their applications
 - characteristics of different types of mooring ropes
 - maintenance of different types of ropes
- mooring systems, including the specific functions of the mooring leads including:
 - different configurations of mooring lines for various parts of a vessel
 - effects of unequal tension on mooring lines and the use of fixed mooring lines
 - indications and hazards associated with breaking mooring line
- use of anchors including:
 - anchor cable markings
 - anchor, cable and equipment on a specific vessel
 - different types of anchors
 - routine and emergency operation of anchors
 - how a vessel normally lies to an anchor and cable
 - how vessel displacement or profile and prevailing wind or current affect anchoring operations
- use of winches, capstans and windlasses
- codes of safe work practice and safety rules and regulations associated with vessel operations including:
 - status of safety equipment
 - procedures for entering dangerous and enclosed spaces
 - displaying signals, flags, lights and shapes
 - hazards that could occur if the operation is not controlled properly
 - operating powered equipment in all modes, including emergency operation
 - warping a vessel to various configurations at a wharf
 - operation of cargo-lifting and securing equipment
 - requirements for access equipment
 - checking and inspecting the seaworthiness of the vessel
- securing a vessel including:
 - preparing deck machinery for use in ambient conditions
 - securing all areas and equipment for sea prior to departure
 - maintaining a deck watch in port
 - effect of the rise and fall of tide when berthed
 - means of access
 - how a vessel is made fast to the wharf
- construction of the vessel sufficient to understand which areas need to be made watertight
 - curing the vessel for sea
 - how to make the vessel watertight.

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">• facilities for negotiating buoyage systems and traffic• range of equipment• ropes• specifications:<ul style="list-style-type: none">• workplace procedures for vessel operations that includes advice on health and safety and environmental requirements• manufacturer operating and safety instructions• relationships:<ul style="list-style-type: none">• interactions with supervisor. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>

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