



Australian Government

SFIFSH205 Apply deckhand skills aboard a fishing vessel

Release: 1

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Modification History

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

Application

This unit of competency describes the skills and knowledge required to safely carry out deckhand duties aboard a fishing vessel. It includes the ability to work ropes, operate winches and windlasses, and assist in anchoring, mooring, and securing the vessel.

The unit applies to individuals who undertake defined routine deckhand activities aboard a fishing vessel under the direction of a supervisor.

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.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Fishing Operations (FSH)

Elements and Performance Criteria

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

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	them according to their application 1.4 Splice ropes neatly and securely according to their application 1.5 Whip rope ends, as required, to maintain good condition
2. Operate winches, capstans and/or windlasses	2.1 Select, check and prepare winches, capstans and/or windlasses for operation before use 2.2 Operate winches, capstans and/or 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 and health and safety requirements 3.6 Keep anchoring area free of loose ropes, wires and debris during operations
4. Secure and adjust the vessel position during mooring operations	4.1 Handle mooring lines and associated equipment according to health and safety requirements 4.2 Keep mooring area free of loose ropes, wires and debris during operations 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 4.4 Report incidents to supervisor in a clear, concise and timely manner to maximise the mooring security of the vessel 4.5 Secure mooring lines according to orders, forecast tidal conditions and planned vessel operations 4.6 Recognise and promptly take corrective action for equipment malfunction or problems during operations
5. Monitor the situation	5.1 Plan and carry out monitoring operations according to workplace

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
of the vessel when moored or anchored	and health and safety requirements 5.2 Ensure frequency, timing and coverage of scheduled checks and inspections comply with watch-keeping instructions 5.3 Ensure action taken in the event of irregularities or abnormal conditions is appropriate to their significance and within own responsibility to implement 5.4 Report incidents to supervisor in a clear, concise and timely manner to maximise the safety and integrity of the vessel 5.5 Ensure restrictions for visitor access to the vessel are according to watch-keeping instructions
6. Secure the vessel	6.1 Plan and carry out checks on vessel security according to workplace and safety requirements 6.2 Ensure coverage and frequency of checks and inspections on the vessel's seaworthiness comply with orders received 6.3 Check watertight integrity and take appropriate action to prepare for prevailing and forecast weather and sea conditions 6.4 Ensure degree to which the vessel is secured is appropriate to prevailing and forecast conditions and complies with orders received 6.5 Ensure action taken in the event of irregularities is appropriate to their significance and within own responsibility to implement 6.6 Complete reports of conditions accurately and correctly and to workplace requirements 6.7 Report incidents to supervisor in a clear, concise and timely manner to allow for remedial action

Foundation Skills

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.

Skill	Description
Numeracy	- Estimates safe working loads of ropes and wires - Reads levels of tanks and void spaces - Reads temperature-monitoring devices

Skill	Description
Reading	Reads safety information and procedures
Interact with others	- Selects and uses appropriate terminology when communicating with crew - Cooperates with crew to rectify problems, emergencies, health and safety hazards and operational maintenance requirements
Get the work done	Makes routine decisions and implements 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
SFIFSH205 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.gov.au/Pages/TrainingDocs.aspx?q=e31d8c6b-1608-4d77-9f71-9ee749456273>

Assessment Requirements for SFIFSH205 Apply deckhand skills aboard a fishing vessel

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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 applied safe deckhand skills aboard a commercial vessel for at least one fishing operation, including:

- maintaining and applying the required knots, bends, hitches, splicing and whipping to vessel ropes
- preparing and safely operating and controlling winches and/or capstans and anchor equipment
- completing a mooring operation
- Selecting and fitting personal protective equipment
- performing routine checks and inspections of vessel security and seaworthiness
- monitoring and controlling access according to workplace watch-keeping requirements
- using clear communication when reporting incidents or potential problems
- maintaining accurate workplace records on conditions.

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 or incorrect configurations

- 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
 - how to make emergency repairs at sea.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a fully operational fishing vessel or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - facilities for negotiating buoyage systems and traffic

- range of equipment
- ropes
- specifications:
 - workplace procedures for vessel operations that include advice on health and safety and environmental requirements
 - manufacturer operating and safety instructions
- relationships:
 - evidence of interactions with supervisor.

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

Links

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