



Australian Government

SFIVOP202 Contribute to safe navigation

Release: 1

SFIVOP202 Contribute to safe navigation

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 assist the officer of the watch to safely navigate the vessel and conduct a watch in sole charge of a vessel. It requires the ability to maintain and exchange a watch, monitor the vessel and weather, communicate with crew members and seek and clarify advice when required.

This unit applies to individuals who navigate small vessels as used in aquaculture or fishing operations.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety, food safety, biosecurity and environmental regulations, legislation and standards that apply to the workplace. Licences will be required to operate a vessel.

Licencing and regulatory requirements apply to this unit. Users are required to check with the relevant maritime authority for requirements.

Pre-requisite Unit

Nil

Unit Sector

Vessel Operations (VOP)

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. Perform exchange of watch	1.1 Check information required for exchange of watch, including identification of any safety risks, is complete, accurate and relevant to both personnel and existing circumstances

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.2 Perform handover and relief of watch according to principles and procedures of watchkeeping 1.3 Clarify watch information or instructions that are unclear or ambiguous
2. Contribute to the navigational watch	2.1 Ensure displayed or given lights, shapes and sound signals conform with regulatory requirements 2.2 Maintain lookout at all times according to principles and procedures of watchkeeping 2.3 Provide clear and concise reports and exchanges of navigational information, including reporting any safety risks and hazards 2.4 Monitor traffic, the vessel, weather watchkeeping and hazards with appropriate frequency and intensity 2.5 Ensure frequency and degree of performance checks to navigational equipment comply with skipper requirements
3. Manoeuvre the vessel during watch	3.1 Make manoeuvres to safely progress the planned voyage and comply with received instructions 3.2 Operate engine control systems to progress planned passage and complement helm movements 3.3 Steer course steadily within acceptable limits of area of navigation and existing state of aquatic environment 3.4 Ensure course alterations are smooth and controlled with minimal over shoot 3.5 Ensure communication is clear, concise and acknowledged at all times 3.6 Change steering modes according to operating instructions, area, wind and state of aquatic environment, and marine notices 3.7 Maintain vessel steering systems within safe operating limits during normal manoeuvres

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	Interprets navigational data and vessel control information
Reading	- Identifies buoyage and navigational marks from charts - Reads meteorological information and instruments
Navigate the world of work	- Follows workplace procedures and safe vessel operating requirements relevant to own role and responsibilities - Understands main tasks, responsibilities and boundaries of own role
Interact with others	Selects and uses appropriate terminology and questions when communicating with others
Get the work done	- Implements standard solutions for routine navigational problems - Accesses and interprets vessel system controls and indicators

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
SFIVOP202 Contribute to safe navigation	SFISHIP202C Contribute to safe navigation	Updated to meet Standards for Training Packages Amendments to elements and performance criteria for clarity	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 SFIVOP202 Contribute to safe navigation

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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 assisted in conducting a navigational watch on a small vessel on at least one occasion, including:

- applying the correct handing over and taking over procedures, including exchanging of information
- monitoring environment, vessel and hazards during the watch
- using clear and concise communication when reporting and exchanging navigational information with others
- performing basic navigation, monitoring, vessel control and manoeuvres to ensure the safety of a vessel.

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:

- principles and procedures relating to:
 - basic meteorology sufficient to recognise imminent change in the weather and assist in reading meteorological instruments
 - echo sounding equipment
 - nautical terminology and the methods of reporting
 - identification of sources of information
 - operation of radar equipment
 - responsibilities of a look out
- buoyage and navigation mark lights and top marks
- buoyage and navigation mark sound signals sufficient for them to be recognised
- classes of and responsibilities between vessels
- distress signals

- give way and stand on rules
- sound signals
- negotiating buoyage in narrow waters
- negotiating traffic
- procedures relating to:
 - assessing the risk of collision by sight and radar
 - bridge communications
 - bridge control failure
 - emergency manoeuvres
 - emergency steering systems
 - occasions when convention is to seek assistance
 - use of helm and engines
 - use of operational controls on an auto pilot
- information relating to:
 - bridge procedures guides
 - relevant regulations and guidelines.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in an aquaculture or fishing operations workplace where small vessels are used, or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - operational vessel with the range of navigation and communication equipment
 - facilities for negotiating buoyage systems and traffic
- specifications:
 - workplace procedures for navigating small vessels.

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

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