



**Australian Government**

# **SFIVOP203 Operate a small vessel**

**Release: 1**

# SFIVOP203 Operate a small vessel

## 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 prepare, operate, maintain, store and secure small vessels within range of ready assistance and isolated from heavy boating traffic and navigational hazards. The operation is restricted to the basic use, manoeuvring and loading of the vessel. It does not include interaction of the vessel with boat traffic or other hazards.

This unit applies to individuals who operate small vessels for aquaculture and fishing operations.

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.

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. Prepare the small vessel for use              | 1.1 Identify and address factors that may compromise vessel safety in the work plan and the operation of the vessel<br>1.2 Check all essential safety equipment, including personal protective |

| Elements                                         | Performance Criteria                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                          |
|                                                  | equipment and spares required for area of operation and intended work, for presence and serviceability<br>1.3 Load vessel according to manufacturer instructions and work tasks                                                                                                                                                                 |
| 2. Operate a small vessel                        | 2.1 Maintain vessel stability within safety limits and weather conditions by establishing a low centre of gravity and securing and stowing loads<br>2.2 Operate vessel safely at all times and in area of operation confined to limits of restricted area<br>2.3 Manoeuvre vessel safely using appropriate means to complete planned work tasks |
| 3. Store and secure a small vessel and equipment | 3.1 Secure, maintain and store vessel after use according to workplace procedures<br>3.2 Store perishables to minimise wastage and spoilage<br>3.3 Store fuels to minimise environmental and fire hazards<br>3.4 Repair unserviceable equipment and spares or remove for repair or replacement according to workplace procedures                |

## 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                   | <ul style="list-style-type: none"> <li>Makes simple calculations relating to distance, fuel range, and operational and speed limits</li> </ul>                                                                                                                                                                |
| Reading                    | <ul style="list-style-type: none"> <li>Interprets manufacturer operational and loading specifications and the use-by date of flares</li> </ul>                                                                                                                                                                |
| Navigate the world of work | <ul style="list-style-type: none"> <li>Understands main tasks, responsibilities and boundaries of own role</li> </ul>                                                                                                                                                                                         |
| Interact with others       | <ul style="list-style-type: none"> <li>Identifies and communicates operational and safety observations to relevant persons according to workplace requirements</li> <li>Selects and uses appropriate terminology and questions when communicating with others about the work plan and requirements</li> </ul> |

| Skill             | Description                                                                                                                                                                      |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Get the work done | <ul style="list-style-type: none"><li>• Implements standard solutions for routine problems</li><li>• Uses tools, equipment and resources dedicated to vessel operation</li></ul> |

## Unit Mapping Information

| Code and title<br>current version      | Code and title<br>previous version       | Comments                                              | Equivalence status |
|----------------------------------------|------------------------------------------|-------------------------------------------------------|--------------------|
| SFIVOP203<br>Operate a small<br>vessel | SFISHIP206C<br>Operate a small<br>vessel | Updated to meet<br>Standards for Training<br>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 SFIVOP203 Operate a small 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 safely operated a small vessel on at least one occasion, including:

- identifying and dealing with conditions that may affect vessel performance and safety
- carrying out pre-operational checks on vessel and equipment, including personal protective equipment
- applying the appropriate loading methods for vessel and work tasks
- operating the vessel within operational limits whilst engaged in work tasks
- securing and carrying out routine maintenance on vessel before storing.

### 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:

- impact of wind and current on aquatic/sea conditions and the effect on small vessels
- pre-departure safety checks of propulsion system, vessel and safety equipment
- vessel loading specifications and their location, including:
  - effect of a shift in cargo on stability
  - effect of load distribution on centre of gravity
  - effect of overloading and poor stability practices
- positive buoyancy in relation to small vessels
- operational controls of small vessel
- routine maintenance and storage procedures for small vessel and equipment.

### 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:
  - fully operational vessel powered by an outboard motor
  - safety equipment and spares
  - personal protective equipment
  - loads (cargo, catch or harvest, monitoring equipment or passengers)
- specifications:
  - workplace procedures for operating a small vessel
  - manufacturer instructions for operating and maintaining a vessel.

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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