



**Australian Government**

# **SFIVOP205 Prepare for vessel maintenance**

**Release: 1**

# SFIVOP205 Prepare for vessel maintenance

## 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 the resources and work area prior to maintenance of marine mechanical plant and systems, including auxiliary machinery, propulsion plant and service systems, such as liquefied petroleum gas, fire hoses and associated pipework and fittings.

This unit applies to individuals who maintain marine mechanical plant and systems on small vessels used for aquaculture and fishing operations.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety 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

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. Select and prepare resources                  | 1.1 Check required materials correspond to the quantity and type against work instructions<br>1.2 Ensure selected equipment is serviceable and of the type and quantity required to carry out the specific task |

| Elements                                         | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                  | <p>1.3 Report any restrictions and variances to resources that may impede maintenance progress or require contingency or emergency response to supervisor</p> <p>1.4 Handle, store and secure material and equipment according to workplace procedures and health and safety requirements</p>                                                                                                                                                                                                                                                                                        |
| 2. Identify and prepare the work area            | <p>2.1 Prepare work area against the operational requirements of the work instruction</p> <p>2.2 Confirm work area, machinery and equipment as being safe for work to proceed according to regulatory, health and safety and workplace requirements</p> <p>2.3 Ensure work area is accessible and free from obstruction for receiving and storing materials and resources needed for the work to proceed</p> <p>2.4 Confirm specifications, containment strategies, plans, materials and equipment are available at the workplace according to schedule and workplace procedures</p> |

## 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>Calculates and measures quantities of materials</li> </ul>                                                                                                                             |
| Reading                    | <ul style="list-style-type: none"> <li>Interprets maintenance requirements from work instructions</li> <li>Interprets regulatory on-board requirements</li> </ul>                                                             |
| Writing                    | <ul style="list-style-type: none"> <li>Completes workplace records on materials, equipment and health and safety checks</li> </ul>                                                                                            |
| Navigate the world of work | <ul style="list-style-type: none"> <li>Follows workplace procedures and safety requirements relevant to own role and responsibilities</li> <li>Understands main tasks, responsibilities and boundaries of own role</li> </ul> |
| Interact with others       | <ul style="list-style-type: none"> <li>Communicates about operational and safety observations with relevant persons according to workplace requirements</li> </ul>                                                            |

| Skill             | Description                                                                                                                                                                                |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | <ul style="list-style-type: none"><li>• Selects and uses appropriate terminology and questions when communicating with others about plant and equipment maintenance requirements</li></ul> |
| Get the work done | <ul style="list-style-type: none"><li>• Makes routine decisions to correct simple and familiar problems</li><li>• Identifies and prepare tools, equipment and resources</li></ul>          |

## Unit Mapping Information

| Code and title current version              | Code and title previous version        | Comments                                                                                                                     | Equivalence status |
|---------------------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------|
| SFIVOP205<br>Prepare for vessel maintenance | SFISHIP211C<br>Prepare for maintenance | Updated to meet Standards for Training Packages<br><br>Title change and minor amendments to 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 SFIVOP205 Prepare for vessel maintenance

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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 prepared the resources and work area for vessel maintenance on at least one occasion, including:

- checking required materials are available for specified tasks
- checking equipment and machinery are functional and safe to use
- identifying and reporting any safety and/or faults with resources
- preparing and confirming area to be worked on in a suitable and safe condition to commence maintenance
- storing resources and dismantling machinery and systems in the work area.

## 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:

- regulatory and health and safety requirements as they apply on-board vessels, including:
  - code of safe working practices
  - entry into confined spaces
  - environmental protection
  - good vessel-keeping practices
  - guarding of machinery
  - isolating systems
  - lifting equipment
  - marine safety regulations
  - personal protective equipment
  - safe movement on-board ship
- hazards and the precautions necessary to minimise risk associated with:

- the work area, including consumables, the environment, and tools and maintenance equipment
- preparing resources for maintenance
- maintenance work
- preferred resources, their availability and acceptable alternatives
- procedures to apply when resources vary from maintenance requirements
- strategies to minimise safety and environmental risks when preparing for maintaining vessels and their equipment.

## Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
  - skills must be demonstrated in a vessel maintenance area of an aquaculture or fishing operations workplace, or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - maintenance tools and equipment
  - operational machinery and equipment
  - safety equipment
  - materials, spares and consumables
- specifications:
  - service equipment and maintenance instructions
  - workplace procedures for maintaining marine mechanical plant and systems
  - manufacturer instructions for operating and servicing marine mechanical plant and systems.

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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