



Australian Government

# **MEM50007 Check operational capability of sails and sail operating equipment**

**Release: 1**

# MEM50007 Check operational capability of sails and sail operating equipment

## Modification History

Release 1. Supersedes and is equivalent to MEM50007B Check operational capability of sails and sail operating equipment

## Application

This unit of competency defines the skills and knowledge required to conduct basic checks on vessel sail systems of recreational vessels in both land and water environments and relates to workplaces in which vessels are built, repaired, stored, sold and transported.

The scope of the unit is limited to identifying and reporting on the general condition of the sails and their equipment and identifying potential problems that can be easily discerned and includes basic operational checks similar to those routinely performed by machinery or vehicle operators.

This unit does not include an assessment of seaworthiness or durability and the information would be reported to a supervisor or manager who would determine any further action.

Where operational checking of other vessel components is required unit MEM50006 Check operational capability of marine craft should also be selected.

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

**Band: E**

**Unit Weight: 0**

## Pre-requisite Unit

MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006	Organise and communicate information
MEM50002	Work safely on marine craft

## Competency Field

Boating services

## Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1	<b>Inspect mast(s), boom(s), spars and fittings</b>	1.1	Follow standard operating procedures (SOPs)
		1.2	Comply with work health and safety (WHS) requirements at all times
		1.3	Inspect masts, booms and spars for security and integrity
		1.4	Inspect fixed rigging for security and excessive corrosion
		1.5	Check fittings and mountings for security and excessive corrosion
2	<b>Inspect sail condition</b>	2.1	Inspect sails for tears, rot and deterioration
		2.2	Inspect sail runners, cleats and reinforcing points
		2.3	Complete reports of sails and fittings condition on approved workplace documentation and/or report verbally
		2.4	Stow sails stowed in a correct manner after inspection
3	<b>Check halyards, sheets, ropes and winches</b>	3.1	Inspect halyards, sheets, ropes, cables and winches for security and integrity
		3.2	Secure halyards, sheets, ropes and cables and/or stow correctly
		3.3	Check winches and capstans for operation, lubrication and condition
		3.4	Check fittings and mountings for security and condition
		3.5	Complete all reports and document all findings in accordance with workplace procedures

## Foundation Skills

This section describes those required skills (reading, writing, oral communication and numeracy) that are essential to workplace performance in this unit of competency.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

**Masts, booms and spars include one (1) or more of the following:**

- wood
- aluminium
- composite materials

**Halyards, sheets, ropes, cables and winches include the following:**

- halyards
- ropes
- wires
- cables
- shackles
- turning blocks
- electric and hand powered winches
- self-steer systems
- self-furling sail systems

## Unit Mapping Information

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## Links

Companion Volume implementation guides are found in VETNet -  
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>