



**Australian Government**

# **Assessment Requirements for MARC037 Operate inboard and outboard motors**

**Release: 1**

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## Modification History

Release 1. New unit of competency. Licensing/regulatory information has been incorporated in accordance with Regulatory requirements. Assessment Requirements have been strengthened in accordance with Regulatory requirements.

## Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- applying work health and safety (WHS)/occupational health and safety (OHS) requirements and work practices
- conducting pre-start checks, including checking:
  - fuel
  - lubricating oil
  - cooling system
  - motor attachment points
  - water depth
- conducting shutdown checks on inboard and outboard motors, and tagging out and reporting faults
- estimating fuel consumption
- reading and interpreting company standard operating procedures (SOPs) about operating inboard and outboard engines
- storing inboard or outboard motors
- using inboard and outboard motor steering system.

## Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- battery connection and hazards
- International Convention for the Prevention of Pollution from Ships (MARPOL) requirements as it applies to operating inboard and outboard motors
- motor:
  - cooling systems
  - fuel systems
  - lubricating systems
- risks associated with portable fuel tanks

- standard procedures to tag out and report faults
- starting motors
- troubleshooting techniques
- WHS/OHS requirements and work practices.

## Assessment Conditions

Assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment. As a minimum, assessment must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment. Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Practical assessment must occur in a workplace, or realistic simulated workplace, under the normal range of workplace conditions. Simulations and scenarios may be used where situations cannot be provided in the workplace or may occur only rarely, in particular for situations relating to emergency procedures and adverse weather conditions where assessment would be unsafe, impractical or may lead to environmental damage.

Resources for assessment must include access to:

- applicable documentation, such as legislation, regulations, codes of practice, safety management system, workplace procedures and operational manuals
- a vessel  $\geq 5.0$  metres in length with propulsion power of  $\geq 75$  kW, or appropriate engine ashore
- tools, equipment, machinery, materials and relevant personal protective equipment (PPE) currently used in industry.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=772efb7b-4cce-47fe-9bbd-ee3b1d1eb4c2>