



Australian Government

Assessment Requirements for MARC005 Operate inboard and outboard motors

Release: 1

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Modification History

Release 1. New unit of competency.

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:

- berthing a vessel
- conducting pre-start, running and shut down checks on inboard and outboard motors, and tagging out and reporting faults
- estimating fuel consumption
- manoeuvring to maintain a steady course
- reading and interpreting company standard operating procedures (SOPs) about operating inboard and outboard engines
- using inboard and outboard motor steering system
- working safely at all times.

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
- motor:
 - cooling systems
 - fuel systems
 - lubricating systems
- risks associated with:
 - portable fuel tanks
 - transport by road of fuel and oil in trailer boats
- standard procedures to tag out and report faults
- storing an outboard motor
- transport by road of fuel and oil in trailer boats
- troubleshooting techniques
- work health and safety (WHS)/occupational health and safety (OHS) requirements and work practices.

Assessment Conditions

Assessors must satisfy National Vocational Education and Training Regulator (NVR)/Australian Quality Training Framework (AQTF) assessor requirements.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

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.

Resources for assessment must include access to:

- tools, equipment, machinery, materials and personal protective equipment currently used in industry
- applicable documentation such as legislation, regulations, codes of practice, workplace procedures and operational manuals
- range of relevant exercises, case studies and/or simulations.

Links

MAR Maritime Training Package Companion Volume Implementation Guide at: -
http://companion_volumes.vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=22