



**Australian Government**

# **Assessment Requirements for MARC036 Operate deck machinery**

**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
- communicating with other crew members
- safely using deck machinery, including:
  - basic hydraulic system
  - capstans
  - electric or hydraulic winches or windlasses
  - lifting equipment
- undertaking pre-operational checks, including:
  - checking oils, lubricants and hydraulic lines
  - inspection of safety guards
  - operation of emergency stops.

## 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:

- basic hydraulic systems and their operation
- basic operational faults
- capstans
- communication techniques
- electric and hydraulic winches and windlasses
- legislation affecting lifting equipment
- lifting equipment and deck machinery
- machinery shutdown procedures
- manufacturer recommendations, regulations and vessel operating procedures
- operational techniques for specific location and weather conditions
- procedures and requirements for selecting and using appropriate machinery and equipment

- process for maintaining workloads within specifications
- safe working procedures
- stability implications as it relates to lifting gear
- techniques for identifying basic faults, including:
  - failure of hydraulic lines
  - structural failure
- watertight and or weather tight hatches
- 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 (SMS), workplace procedures and operational manuals
- a commercial vessel with inboard diesel propulsion power of  $\geq 150$  kW or appropriate deck machinery 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>