



Australian Government

Assessment Requirements for MARC036 Operate deck machinery

Release: 2

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Modification History

Release 2. This is the second release of this unit of competency in the MAR Maritime Training Package.

- Minor statement changes in unit Application
- Minor statement changes in Performance Evidence
- Minor statement changes in Knowledge Evidence
- Minor statement changes in Assessment Conditions.

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 safe work practices
- undertaking pre-operational checks including:
 - checking oils, lubricants and hydraulic lines
 - inspection of safety guards
 - operation of emergency stops
- using deck machinery safely including:
 - basic hydraulic system
 - capstans
 - electric or hydraulic winches or windlasses
 - lifting equipment.

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
- capstans
- 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 manufacturer specifications
- stability implications as it relates to lifting gear
- techniques for identifying basic faults, including:
 - failure of hydraulic lines
 - operational faults
 - structural failure
- watertight and or weather tight hatches
- WHS/OHS procedures, requirements and safe work practices.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training 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 greater than or equal to 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>