



**Australian Government**

# **Assessment Requirements for MARC001 Complete engine room tasks**

**Release: 1**

# Assessment Requirements for MARC001 Complete engine room tasks

## 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:

- assessing information and data for relevance
- completing all work to specification
- conducting refuelling
- converting:
  - units to multiples of base units
  - fractions to decimals
- keeping running and maintenance logs
- performing calculations involving:
  - volume and capacity of regular shaped tanks
  - consumption of fuel and lubricating oil, hourly fuel consumption, theoretical steaming times and distances
- performing calculations to determine the area of a circle
- sequencing tasks
- using relative density/specific gravity to convert quantity in litres and volume to mass
- writing simple reports.

## 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:

- common SI units such as kilogram, tonne, litre and metre
- identification of hazardous goods
- principles of simple report writing
- procedures and requirements for cleaning and housekeeping
- safety data sheets (SDS)/material safety data sheets (MSDS)
- work health and safety (WHS)/occupational health and safety (OHS) practices, including hazard identification, risk assessment and risk control options.

## 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](http://companion_volumes.vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=22)