



**Australian Government**

# **Assessment Requirements for MARB053**

## **Assist with routine maintenance on a commercial vessel**

**Release: 2**

# Assessment Requirements for MARB053 Assist with routine maintenance on a commercial vessel

## 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 Assessment Conditions.

**Release 1.** This is the first release of this unit of competency in the MAR Maritime Training Package.

## 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:

- completing maintenance records
- completing risk assessment
- complying with workplace requirements including:
  - manufacturer and supervisor instructions
  - safe and environmentally responsible work practices
  - safety data sheets (SDS)/material safety data sheets (MSDS)
  - Safety Management System (SMS)
  - work health and safety (WHS)/occupational health and safety (OHS) requirements and safe work practices
  - workplace procedures
- identifying, tagging out and reporting of faulty equipment
- selecting and using correct tools and equipment for cleaning and maintenance tasks, including:
  - applicators
  - appropriate personal protective equipment (PPE)
  - barricades
  - chemicals and cleaning supplies
  - handheld power tools
  - hand tools
  - paint and anticorrosive agents
  - warning signages
- undertaking routine maintenance under supervision, including:
  - checking cooling system, fuel, grease and oil, and battery charge levels

- greasing and lubricating
- inspecting fan belts, leads, lines, connections, air filters, hydraulics and lighting.

## 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:

- awareness of the dangers of operating electrical tools in a vessel/residual-current device (RCD) testing
- component parts, operation and routine maintenance requirements of vessel machinery
- environmental and waste management procedures, including:
  - preventative measures with regard to damage to the environment caused by servicing, maintenance and cleaning activities
  - safely using and disposing of cleaning and maintenance debris, including oil containers, fuel, chemical residues and paint
- equipment cleaning and preservation techniques
- hazards associated with machinery spaces
- maintenance hazards and problems
- paint types and applications
- portable corded electrical appliances test and tag requirements
- principles and procedures of machinery lubrication as they relate to vessel machinery
- rust treatment
- techniques for maintenance of surfaces, including timber, fibre glass, steel and aluminium
- vessel routine maintenance tasks including necessary permits
- workplace requirements, including:
  - manufacturer instructions
  - relevant pollution control legislation
  - SMS
  - SDS/MSDS for chemicals and cleaning agents
  - WHS/OHS requirements and safe work practices, including:
    - Code of Practice for Health and Safety in Shipboard Work
    - state/territory WHS/OHS legislation
  - workplace procedures, including:
    - cleaning and maintenance
    - tagging out
    - using hand tools for routine maintenance operations.

## 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:

- a commercial vessel
- applicable documentation such as legislation, regulations, codes of practice, SMS, workplace procedures and operational manuals
- tools, equipment, machinery and materials and 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>