



Australian Government

**Assessment Requirements for MARB046
Plan and supervise routine maintenance on
a vessel up to 80 metres**

Release: 1

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Modification History

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:

- actioning planned maintenance system, including:
 - liaising with internal and external suppliers, authorities and agencies
 - preparing reports on outcomes of inspection and maintenance activities
 - taking appropriate precautions to prevent pollution of the marine environment
 - using and interpreting vessel, equipment and machinery specifications, drawings, operational manuals and diagrams
- developing a maintenance program having regard to:
 - owner's requirements
 - periodic survey requirements
 - programmed maintenance requirements of hull and machinery
 - relevant safety data sheets (SDS)/material safety data sheets (MSDS)
 - routine maintenance as contained in manufacturer instruction manuals and drawings
 - safety and environmental policy and requirements
- initiating timely action in response to defects or damage.

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:

- elements of ship structure crucial to the safety of the ship
- fundamental principles of vessel construction
- maintenance records that must be maintained on vessel to meet organisational and regulatory requirements
- managing maintenance of the vessel
- means for control of corrosion of marine surfaces and structures
- monitoring, selection and use of supplies involved in maintenance of vessel
- planned maintenance system, including:
 - continuous improvement and review procedures

- document control procedures
- provision of safe practices in vessel operation and a safe working environment
- reference to applicable codes, guidelines and standards
- systems for recording completed maintenance schedules, including identification of defective equipment and rectification of defects
- principal structural components
- procedures for initiation and coordination of repair and/or replacement procedures onboard vessel
- relevant laws and regulations, including work health and safety (WHS)/occupational health and safety (OHS) and pollution control legislation
- routine maintenance activities
- slipping and docking procedures suitable for various types of hull forms
- typical problems related to maintenance of vessels and appropriate actions and solutions.

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:

- a commercial vessel greater than or equal to 12 metres in length
- applicable documentation, such as legislation, regulations, codes of practice, safety management system (SMS), workplace procedures and operational manuals.

Links

Companion Volume implementation guide can be found in VetNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=772efb7b-4cce-47fe-9bbd-ee3b1d1eb4c2>