



Australian Government

Assessment Requirements for MARB004 Perform routine maintenance on a vessel up to 24 metres

Release: 2

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Modification History

Release 2. Clarification of guidance information in Performance Evidence, Knowledge Evidence and Assessment Conditions.

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, performance criteria and range of conditions on at least one occasion and include:

- completing required records when performing routine remedial, preventative and survey deck maintenance on a vessel
- demonstrating safe and environmentally responsible work practices when performing routine remedial, preventative and survey deck maintenance on a vessel
- following required work schedule according to organisational requirements
- identifying samples of construction material
- identifying structural components from ship's drawings and plans, locating on a vessel and ascertaining the relevant regulation governing the structure
- reading and interpreting:
 - instructions for performing routine remedial, preventative and survey deck maintenance on a vessel
 - manufacturer specifications and safety data sheets (SDS)/material safety data sheets (MSDS)
- recognising routine problems when performing routine remedial, preventative and survey deck maintenance on a vessel
- selecting and using relevant tools, equipment and materials according to instructions.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- component parts, operation and routine maintenance requirements of vessel machinery
- equipment cleaning and preservation techniques
- function of structural components and compliance with conventional maritime design
- job safety analyses (JSAs)/safe work method statements
- maintenance hazards and problems
- maintenance of steering gear
- maintenance records for a vessel
- nature and causes of corrosion of marine surfaces, structures and available methods of control
- principal parts of a vessel and basic design methods
- organisational procedures for cleaning and maintenance to ensure operational readiness
- paint types and applications
- principles and procedures of machinery lubrication as they relate to vessel machinery
- procedures for checking deck areas, machinery and fittings of a vessel as part of the planned routine maintenance on a vessel
- procedures for using hand tools for routine maintenance operations
- relevant WHS/OHS and:
 - personal protective equipment requirements
 - pollution control legislation
- rust treatment
- safety management system as it relates to planned vessel maintenance
- steering gear arrangements and safety features
- storage principles for paints, chemicals and cleaning agents used in planned maintenance operations
- types, characteristics and functions of:
 - vessel machinery and equipment including safety features
 - equipment/tools used in cleaning and maintenance
- use of various construction material and regulations governing structure.

Assessment Conditions

Assessors must satisfy National Vocational Education and Training Regulator (NVR)/Australian Quality Training Framework (AQTF) assessor requirements.

Assessment must satisfy the National Vocational Education and Training Regulator (NVR)/Australian Quality Training Framework (AQTF) standards.

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

to MAR Maritime Training Package Companion Volume Implementation Guide -
http://companion_volumes.vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=22