



Australian Government

Assessment Requirements for MARB002 Perform basic servicing and maintenance of main propulsion unit and auxiliary systems

Release: 1

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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:

- completing all work to specification
- completing relevant logbooks and service reports
- implementing safe and environmentally responsible work practices in servicing and maintenance activities
- providing the required amount of detail in reports
- reading and interpreting gauges
- reading and interpreting manufacturer specifications and safety data sheets (SDS)/material safety data sheets (MSDS)
- selecting and using appropriate processes, tools and equipment
- servicing and maintaining propulsion machinery and auxiliary equipment to manufacturer specifications.

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:

- bleeding fuel systems
- care of low voltage electrical systems on a vessel including precautions necessary when charging batteries
- environmental impacts and minimisation measures associated with servicing and maintaining propulsion machinery and auxiliary equipment
- job safety analyses (JSAs) and safe work method statements
- manufacturer specifications for servicing and maintaining propulsion machinery and auxiliary equipment
- operating principles and operating methods for propulsion machinery and auxiliary equipment
- potential risks and hazards associated with servicing and maintaining propulsion machinery and auxiliary equipment
- processes of maintaining propulsion machinery and auxiliary equipment
- relevant WHS/OHS and personal protective equipment (PPE) requirements
- routine checks required when servicing and maintaining propelling machinery, auxiliary equipment and other mechanical equipment.

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