



Australian Government

Assessment Requirements for MARC006 Operate 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:

- implementing safe and environmentally responsible work practices
- measuring and calculating volumes, consumption and servicing requirements
- operating propulsion machinery and ancillary equipment to industry standards
- providing required amount of detail in reports
- recordkeeping.

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:

- environmental impacts and minimisation measures associated with operating propulsion machinery and auxiliary equipment
- environmental responsibilities
- factors associated with the safe operation of propelling and auxiliary equipment
- hazards of refrigerant gases
- identification of components
- manufacturer specifications for operating propulsion machinery and auxiliary equipment
- operating principles and operating methods for propulsion machinery and auxiliary equipment
- potential hazards and risks associated with operating propulsion machinery and auxiliary equipment
- potential hazards and risks involved with types of fuels for example petrol, diesel, liquefied petroleum gas (LPG)
- preparing for the use of propelling machinery, auxiliary equipment and other mechanical equipment
- routine checks required with the operation of propelling machinery, auxiliary equipment and other mechanical equipment
- shore power connections and associated hazards
- use of low voltage electrical systems
- what to do in the case of malfunctions and emergencies with propelling machinery, auxiliary equipment and other mechanical equipment
- work health and safety (WHS)/occupational health and safety (OHS) requirements and work practices.

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