



Australian Government

Assessment Requirements for MARC033

Complete engine room tasks

Release: 2

Assessment Requirements for MARC033 Complete engine room tasks

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 re-ordering of Knowledge Evidence
- Minor statement changes in Assessment Conditions.

Release 1. New unit of competency. Licensing/regulatory information has been incorporated in accordance with Regulatory requirements. Assessment Requirements have been strengthened in accordance with Regulatory requirements.

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:

- applying work health and safety (WHS)/occupational health and safety (OHS) practices, including hazard identification, risk assessment and risk control options
- carrying out housekeeping tasks, including:
 - correct disposal of waste
 - pumping of bilges
 - removal or lashing of loose items
- completing all work to specifications
- converting:
 - fractions to decimals
 - units to multiples of base units
- keeping running and maintenance logs
- performing calculations involving:
 - consumption of fuel and lubricating oil, hourly fuel consumption, theoretical steaming times and distances
 - volume and capacity of regular shaped tanks
- sequencing tasks
- writing simple reports.

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:

- appropriate actions to address the following incidents during refuelling operations:
 - fire
 - spillage on board
 - spillage over the side
- common International System of Units (SI units), such as kilogram, tonne, litre and metre
- correct storage and use of:
 - chemicals
 - equipment
 - tools
- hazards related to flammable and explosive materials, including:
 - battery generated gases
 - chemicals
 - fuels
 - liquefied petroleum gas (LPG)
 - lubricating oils
 - oil soaked rags (spontaneous combustion)
- principles of simple report writing
- procedures and requirements for cleaning and housekeeping
- procedures for monitoring and maintaining levels, and re-ordering of, stock and consumables
- relevant parts of legislation, regulations, codes of practice
- WHS/OHS procedures and practices including:
 - hazard identification, risk assessment and risk control measures
 - identification of hazardous goods
 - safe handling and stowage of flammable and explosive materials
 - safety data sheets (SDS)/material safety data sheets (MSDS).

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:

- applicable documentation, such as legislation, regulations, codes of practice, safety management systems (SMS), workplace procedures, operational manuals and SDS/MSDS
- a commercial vessel with inboard diesel propulsion power of greater than or equal to 150 kW or appropriate engine, propulsion plant and auxiliary systems ashore
- tools, equipment, machinery, materials and relevant personal protective equipment (PPE) that are 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>