Australian Government

Assessment Requirements for MARC034 Maintain hull out of water

Release: 1

Assessment Requirements for MARC034 Maintain hull out of water

Modification History

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 maintenance tasks, including:
  - examining anchors and cables
  - inspecting:
    - anodes
    - hull fittings
    - propeller, shafts and seals
    - rudder, rudder stock and seals
    - watertight and weather tight hatches
- explaining procedures and techniques for hull maintenance according to regulations and vessel operating procedures
- implementing safe and environmentally responsible work practices
- planning and preparing for maintenance
- reading, interpreting and complying with:
  - manufacturer instructions, including all WHS/OHS requirements
  - operating and service manuals for maintenance of vessel hull
  - safety data sheets (SDS)/material safety data sheets (MSDS)
- recognising faulty equipment and taking appropriate action according to organisational procedures
- recognising hull damage and deterioration and taking appropriate action according to organisational procedures
- selecting and using correct tools and equipment for maintenance task.

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:

- component parts, operation and routine maintenance requirements of vessel, equipment and fittings
- differences in vessels, hull structures and equipment
- functions of underwater equipment
- hazards of working in confined spaces
- maintenance hazards and problems
- nature and causes of corrosion of marine surfaces and structures, and available methods for its control
- organisational procedures for maintenance
- principles and procedures of lubrication as they relate to underwater vessel equipment and fittings
- procedures for:
  - checking and inspecting vessel hull as part of routine maintenance program
  - initiating and coordinating repair and or replacement of underwater equipment and fittings
- process and requirements for hull maintenance
- types, characteristics and functions of equipment or tools used in maintenance
- use of sacrificial anodes
- WHS/OHS practices, including hazard identification, risk assessment and risk control options.

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:

- applicable documentation, such as legislation, regulations, codes of practice, safety management system (SMS), workplace procedures, operational manuals and SDS/MSDS
- a commercial vessel with inboard diesel propulsion power of ≥150 kW or appropriate vessel ashore
- tools, equipment, machinery, materials and relevant personal protective equipment (PPE) 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