



Australian Government

Assessment Requirements for MARC002 Maintain hull out of water

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:

- ensuring work is carried out to regulatory requirements for issue or endorsement of relevant certificates
- 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 including systematic isolation, dismantling and reassembly of parts
- reading, interpreting and applying:
 - manufacturer instructions including all WHS/OHS requirements and safety data sheets (SDS)/material safety data sheets (MSDS)
 - operating and service manuals for maintenance of vessel hull
- recognising:
 - faulty equipment
 - 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
- hull maintenance
- 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
- relevant WHS/OHS legislation
- types, characteristics and functions of equipment/tools used in maintenance
- use of sacrificial anodes.

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 including:
 - hand and power tools
 - ladders
 - specialised tools
 - cleaning chemicals
 - lubricants
 - rags
 - rust treatments
 - spare parts
 - spent oils and grease
 - used components
- 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 at: - http://companion_volumes.vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=22