



Australian Government

Assessment Requirements for MEM25008 Repair marine vessel surfaces and structures

Release: 2

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Modification History

Release 2. Quantum of hours of workplace practice removed. Supersedes and is equivalent to MEM25008 Repair marine vessel surfaces and structures (Release 1).

Release 1. Supersedes and is equivalent to MEM25008B Repair marine vessel surfaces and structures.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria on at least two (2) occasions and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- identifying the type and extent of structural damage to the area/sector
- selecting and preparing the suitable repair method and materials and appropriate tools and equipment to undertake the task
- disassembling components, where required, and undertaking repair damage to surfaces and structures to specifications
- reassembling and/or replacing components and reconnecting/refitting through-hull fittings
- preparing surface for application of surface finishes and protective coatings matching colours and textures to specifications
- testing and re-establishing watertight integrity in accordance with procedures.

Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- structure, component, surface and core identification
- effect of damage in relation to the integrity of the hull and structures and the capacity of the vessel to withstand stresses encountered at sea
- repair methods and materials for timber, fibre reinforced plastics, and metal surfaces and structures
- characteristics of chosen materials
- affect on structural and or watertight integrity
- tools/equipment, their specification and application
- techniques for reinforcement/shoring/support
- methods for re-constructing damaged components
- fastening methods and application procedure

- procedures used in preparing, re-finishing or re-coating and types and applications of coatings
- colour and texture matching techniques
- methods of testing and re-establishing watertight integrity
- procedures for pre-delivery clean-up of damaged sector.

Assessment Conditions

- Assessors must:
 - have vocational competency in repairing marine vessel surfaces and structures at least to the level being assessed with relevant industry knowledge and experience
 - satisfy the assessor requirements in the *Standards for Registered Training Organisations 2015* or its replacement and comply with the *National Vocational Education and Training Regulator Act 2011*, its replacement or equivalent legislation covering VET regulation in a non-referring state/territory as the case requires.
- Assessment must occur in a functioning workplace. Where assessment in the workplace would be unsafe, impractical or threatens the environment, assessment must occur in a sufficiently rigorous simulated environment that reflects the circumstances that would be experienced in a functioning workplace. Assessment must cover all aspects of workplace performance, including task skills, task management skills, contingency management skills and job role environment skills.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications.
- 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.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>