



Australian Government

Assessment Requirements for MEM25005 Construct and assemble marine vessel timber components

Release: 2

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Modification History

Release 2. Quantum of hours of workplace practice removed. Supersedes and is equivalent to MEM25005 Construct and assemble marine vessel timber components (Release 1).

Release 1. Supersedes and is equivalent to MEM25005B Construct and assemble marine vessel timber components.

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 and interpreting drawings, procedures, templates, construction details, assembly practices and material types to construct and assemble marine vessel timber components
- cutting/sizing and preparing and forming/shaping timber against template/measurement specifications and modifying as required and checking final form/shape against job specifications for compliance
- assembling supporting jigs to suit job requirements
- selecting and using fastening methods and determining fastening sequence
- finishing and applying preservation materials, cleaning excess material wastage and undertaking disposal of waste in accordance with SOPs.

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)
- component types/materials/templates and their uses
- characteristics, properties, specifications and uses of species, including durability, strength and appearance
- types, specification and uses of fasteners
- applicable codes and regulations
- methods used to take off measurements, mark out, construct and assemble components
- effect on access, rigidity, strength, buoyancy and resistance to stresses encountered at sea
- hand tools, power tools and workshop machinery to suit construction applications
- practices for cutting/dressing/sizing/shaping material
- measuring and marking out techniques using graduated devices, battens and templates

- procedures used in checking final form/shape
- clamping and shoring methods and the use of jigs
- procedures, codes and regulations used in applying relevant fastenings to suit assembly
- methods of cleaning, preserving and finishing components, their uses and safety precautions
- waste disposal obligations and regulations.

Assessment Conditions

- Assessors must:
 - have vocational competency in constructing and assembling marine vessel timber components 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>