



Australian Government

Assessment Requirements for MEM50001 Classify recreational boating technologies and features

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM50001B Classify recreational boating techniques and features

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
- discerning differences in hull shapes and types as well as construction materials, propulsion and steering systems, power plants, ancillary systems, fittings and fastenings
- locating, reading and interpreting information on identification and compliance plates, registration tags, engine and other component identification numbers
- identifying different types of power plants, engine cooling and lubrication systems and transmission types.

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
- typical hull shapes and design features of recreational sail, powered and non-powered craft, including hard chine, round bilge, planing hulls, multi-hulls, inflatables, rigid and swing keel and centre board
- typical superstructure configurations and general deck layouts of recreational sail, powered and non-powered craft, including fully open, flush decks, bow riders, half cabins and fly bridges
- typical sail and mast arrangements for recreational sailing craft, including mast configurations, basic rigging arrangements and sail types, including mainsail, genoa and spinnaker
- construction materials, including glass reinforced plastics and composite materials, aluminium and steel and types of internal combustion engines used for inboard and outboard propulsion systems, including two and four cycle; different cylinder layouts and different fuel types, including petrol and diesel, liquid or air cooling, starting systems and lubrication methods
- propulsion systems, including single and multi-screw, jet drives, clutches and gearboxes, including stern drives and outboard drives as well as vee drives and bow thrusters
- steering systems, including tillers, rods/chains/cable drives, hydraulic and rudder types

- features and functions of attached navigation and communication devices, including navigational lighting, compass, global positioning system (GPS), radar, depth sounder, logs, radios and audible alarms
- features and functions of trailer components, including winches, couplings, load securing, braking, suspension and electrical systems
- use of information on identification and compliance plates, registration tags, engine and other component identification numbers.

Assessment Conditions

- Assessors must:
 - have vocational competency in classifying recreational boating techniques and features 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
- Where possible assessment must occur in operational workplace situations. Where this is not possible or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment that reflects realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, 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>