



Australian Government

MEM50002 Work safely on marine craft

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Modification History

Release	Comments
2	Unit code updated in Application to reflect status.
1	This unit of competency was first released in MEM Manufacturing and Engineering Release 2.0.

Application

This unit of competency defines the skills and knowledge required to identify risks and safely work on and move around vessels – for sales, service or repair – on and out of the water and applies to recreational vessels in both land and water environments and in workplaces in which vessels are built, repaired, stored, sold and transported.

This unit could be assessed in conjunction with unit MEM13019 Undertake work health and safety activities in the workplace and unit MEM13003 Work safely with industrial chemicals and materials.

Band: A

Unit Weight: 1

Licensing/Regulatory Information

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite unit(s)

MEM13015	Work safely and effectively in manufacturing and engineering
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Competency field(s)

Boating services

Unit sector(s)

N/A

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Identify safe access methods and working platform	1.1 Follow standard operating procedures (SOPs) 1.2 Comply with work health and safety (WHS) requirements at all times 1.3 Use appropriate access methods to gain access to the work location 1.4 Inspect work platforms to confirm that they are appropriate for the purpose, are located in a correct manner and comply with any regulatory controls
2. Move around and work safely on recreational vessels	2.1 Identify risks and hazards from observation, including confined spaces, and identify workplace approved risk controls 2.2 Select work methods and tools appropriate for the task 2.3 Identify and use appropriate engineering controls 2.4 Select and use appropriate personal protective equipment (PPE) in accordance with SOPs 2.5 Use appropriate warning signs and signals 2.6 Minimise, control and dispose of work residues in accordance with SOPs 2.7 Maintain worksite in a clean and tidy state using appropriate housekeeping methods
3. Follow emergency procedures for incidents in the marine environment	3.1 Use appropriate responses in reaction to incidents and accidents 3.2 Use communication systems and methods to convey emergency messages 3.3 Follow drills for fire, explosion, toxic/dangerous spills and leakage, personal illness or injury, man overboard, collision or vessel damage

Foundation Skills

This section describes those required skills (reading, writing, oral communication and numeracy) that are essential to workplace performance in this unit of competency.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.	
Access to the work location includes one (1) or more of the following:	• gang planks • hatches • access ladders • bosun's chairs • rigging
Work platforms include one (1) or more of the following:	• purpose built work platforms • mobile and prefabricated scaffold • elevated work platforms
Engineering controls include one (1) or more of the following:	• ventilation and extraction systems • dust control devices • screens
PPE includes one (1) or more of the following:	• goggles/face shields • masks or respirators • air supplied or self-contained helmets • appropriate footwear, gloves and appropriate garments • hearing protection • fall arrest devices • UV protection
Workplace housekeeping includes the following:	• covering/protecting surfaces prior to starting work • returning materials/equipment to storage area • sweeping and cleaning • containment and mopping of spills • appropriate disposal of waste products
Communication systems and methods	• direct voice • megaphone

include one (1) or more of the following:	• flares • radio • hand signals • telephone • flags • computer • EPIRB
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Unit Mapping Information

Current Code and Title	Previous Code and Title	Comments	Equivalence
MEM50002 Work safely on marine craft	MEM50002B Work safely on marine craft	Supersedes and is equivalent to MEM50002B Work safely on marine craft	Equivalent

Assessment Requirements for MEM50002 Work safely on marine craft

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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, appropriate emergency procedures, standard operating procedures (SOPs) and safe work practices
- identifying and interpreting safety signage, labelling and placards; carrying out risk assessment and identifying work health and safety (WHS) hazards and risks; and implementing appropriate risk control measures and procedures
- selecting and using the most appropriate engineering controls, including proper manual handling techniques and personal protection equipment (PPE) suitable to the task being performed
- implementing appropriate workplace housekeeping methods
- performing emergency procedures for incidents in the marine environment
- using communication systems and methods to convey emergency messages.

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 PPE
- testing and maintenance of PPE
- dangerous goods classification and labelling/placarding
- inherent hazardous properties of the chemicals used
- interpretation of the relevant safety data sheets (SDS)
- basic fire-fighting procedures

- site-specific emergency plan procedures
- spill confinement procedures
- dangerous occurrence (near miss) reporting procedures
- regulatory and legislative requirements.

Assessment Conditions

- Assessors must:
 - have vocational competency in working safely on marine craft 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.

Link

Companion volumes, including implementation guides, are found on the national training register - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=45a7f1d5-61a5-447a-9688-7abbd7e1a5c7>.