



Australian Government

MEM50010 Respond to boating emergencies and incidents

Release: 1

MEM50010 Respond to boating emergencies and incidents

Modification History

Release 1. Supersedes and is equivalent to MEM50010B Respond to boating emergencies and incidents

Application

This unit of competency was developed by the National Marine Safety Committee (NMSC) and defines the skills and knowledge required to deal with boating emergencies and incidents, including the use of safety equipment and the provision of assistance to others in distress and includes raising alarms and dealing with on-board emergencies.

This unit is one of three core competencies that have been adopted by all government marine safety authorities to contribute to and promote the safe use of waterways and awareness of boating safety and applies to all recreational boats including personal watercraft.

Unit MEM50008 Carry out trip preparation and planning and unit MEM50009 Safely operate a mechanically powered recreational boat are the other two NMSC core units.

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

Band: E

Unit Weight: 0

Pre-requisite Unit

MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006	Organise and communicate information

Competency Field

Boating services

Elements and Performance Criteria

Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
1	Use safety equipment	1.1	Follow standard operating procedures (SOPs)
		1.2	Comply with work health and safety (WHS)

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	requirements at all times
	1.3 Ensure nature, type, location, accessibility and serviceability of safety equipment is known and understood by all personnel on board 1.4 Conduct briefing of personnel before departure 1.5 Use safety equipment in a manner and purpose for which it was designed and appropriate to the emergency or incident
2 Raise alarms	2.1 Identify nature of emergency 2.2 Communicate alarm to on-board personnel 2.3 Use recognised distress signals to indicate need of assistance
3 Deal with on-board emergency	3.1 Inform on-board personnel of actions required to deal with the emergency 3.2 Implement procedures to combat emergency and protect persons on board 3.3 Identify position, record and communicate 3.4 Provide injured persons with assistance 3.5 Maintain communication with rescuers 3.6 Undertake preparation for abandoning the boat, as required 3.7 Communicate cessation of emergency to appropriate personnel
4 Assist others in distress	4.1 Recognise distress signals from others 4.2 Identify nature of assistance required 4.3 Determine capability to safely assist or relay emergency taking into account own safety and physical proximity to the emergency incident 4.4 Prepare for appropriate response to the emergency and implement

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 4.5 Communicate cessation of emergency incident to appropriate personnel

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.

Briefing information includes the following:

- vessel operation
- personnel assessment, including swimming skills, boating knowledge, medication and dietary requirements
- location and use of safety equipment
- emergency procedures
- abandoning procedures

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.

Emergencies include one (1) or more of the following:

- fire (smoke or heat)
- grounding
- person overboard
- person retrieval from water
- capsize
- swamping
- sinking
- engine/motor breakdown or malfunction
- fouled propeller
- anchoring
- flooding
- lost
- injuries/illness
- hypothermia
- lack of fuel
- contaminated fuel

Distress signals include one (1) or more of the following:

- pyrotechnic distress flares
- flags
- radio
- hand signals
- dye markers
- International Code Signal of Distress
- sound signal including voice
- emergency position-indicating radio beacon (EPIRB)
- V-sheet
- reflective mirror
- light signals
- mobile phone

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.

Preparation for abandoning includes the following:

- brief on-board personnel
- take drinking water
- don of life jackets
- identify location of vessel
- communicate to rescuers actions taken or to be taken
- assess and ensure readiness of life rafts/life rings
- activate emergency position indicating radio beacon (EPIRB)
- identify and collect emergency equipment, provisions and clothing
- deploy anchor or sea anchor

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEM50010B Respond to boating emergencies and incidents

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MEM50010 Respond to boating emergencies and incidents

Modification History

Release 1. Supersedes and is equivalent to MEM50010B Respond to boating emergencies and incidents

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 occasions and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- using safety equipment in a correct manner appropriate to the emergency or the incident
- communicating while under pressure
- briefing others on safety and emergency procedures
- demonstrating boat abandoning procedures
- delegating personnel appropriate to the emergency situation, including raising the alarm and assisting others in distress
- determining capability to assist others and making decision under pressure
- assisting injured people safely and without undue risk
- applying emergency first aid, where appropriate
- communicating cessation of emergency incident to appropriate personnel 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
- range of safety equipment
- common emergency actions
- emergency procedures
- boat abandoning procedures
- relevant contacts
- communication protocols
- types of boating emergency incidents and situations
- protocols for assisting injured people
- boating legislation, regulations and rules

Assessment Conditions

- Assessors must:
 - have vocational competency in responding to boating emergencies and incidents 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>