



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **MEM50010B Respond to boating emergencies and incidents**

**Release: 1**

## MEM50010B Respond to boating emergencies and incidents

### Modification History

Not Applicable

### Unit Descriptor

|                        |                                                                                                                                                                                                                                                                                                                           |
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| <b>Unit descriptor</b> | <p>This unit covers dealing with boating emergencies and incidents including the use of safety equipment and the provision of assistance to others in distress. It also includes raising alarms and dealing with on-board emergencies.</p> <p>This unit was developed by the National Marine Safety Committee (NMSC).</p> |
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### Application of the Unit

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Application of the unit</b> | <p>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. The unit applies to all recreational boats including personal watercraft.</p> <p>All work and work practices are undertaken to regulatory and legislative requirements.</p> <p>Unit MEM50008B (Carry out trip preparation and planning) and Unit MEM50009B (Safely operate a mechanically powered recreational boat) are the other two NMSC core units.</p> <p><b>Band: E</b></p> <p><b>Unit Weight: 0</b></p> |
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### Licensing/Regulatory Information

Not Applicable

## Pre-Requisites

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| <b>Prerequisite units</b> |  |  |
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## Employability Skills Information

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| <b>Employability skills</b> | This unit contains employability skills. |
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## Elements and Performance Criteria Pre-Content

|                                                                   |                                                                                                                                                                                                                                                                                                                  |
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| Elements describe the essential outcomes of a unit of competency. | Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide. |
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## Elements and Performance Criteria

| ELEMENT                         | PERFORMANCE CRITERIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Use safety equipment         | <p>1.1. Nature, type, location, accessibility and serviceability of safety equipment is known and understood by all personnel on board.</p> <p>1.2. Briefing of personnel is conducted before departure.</p> <p>1.3. Safety equipment is used in a manner appropriate to the emergency or incident.</p> <p>1.4. Safety equipment is used for the purpose for which it was designed.</p>                                                                                                                                       |
| 2. Raise alarms                 | <p>2.1. Nature of emergency is identified.</p> <p>2.2. Alarm is communicated to on-board personnel.</p> <p>2.3. Recognised distress signals are used to indicate need of assistance.</p>                                                                                                                                                                                                                                                                                                                                      |
| 3. Deal with on-board emergency | <p>3.1. On-board personnel are informed of actions required to deal with the emergency.</p> <p>3.2. Procedures are implemented to combat emergency and protect persons on board.</p> <p>3.3. Position is identified, recorded and communicated.</p> <p>3.4. Injured persons are provided with assistance.</p> <p>3.5. Communication with rescuers is maintained.</p> <p>3.6. Preparation for abandoning the boat is undertaken, if required.</p> <p>3.7. Cessation of emergency is communicated to appropriate personnel.</p> |
| 4. Assist others in distress    | <p>4.1. Distress signals from others are recognised.</p> <p>4.2. Nature of assistance required is identified.</p> <p>4.3. Capability to safely assist or relay emergency is determined taking into account own safety and physical proximity to the emergency incident.</p> <p>4.4. Appropriate response to the emergency is prepared for and implemented.</p> <p>4.5. Cessation of emergency incident is communicated to appropriate personnel.</p>                                                                          |

## Required Skills and Knowledge

### REQUIRED SKILLS AND KNOWLEDGE

**REQUIRED SKILLS AND KNOWLEDGE**

This section describes the skills and knowledge required for this unit.

**Required skills**

Look for evidence that confirms skills in:

- correctly using safety equipment
- delegating skills
- communicating
- using leadership skills
- applying first aid

**Required knowledge**

Look for evidence that confirms knowledge of:

- range of safety equipment
- common emergency actions
- types of boating emergency incidents and situations
- boating legislation, regulations and rules

## Evidence Guide

### EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

#### Overview of assessment

A person who demonstrates competency in this unit must be able to deal with boating emergencies and incidents including the use of safety equipment, raising alarm and assisting others in distress.

#### Critical aspects for assessment and evidence required to demonstrate competency in this unit

Assessors must be satisfied that the candidate can competently and consistently perform all elements of the unit as specified by the criteria, including required knowledge, and be capable of applying the competency in new and different situations and contexts.

#### Context of and specific resources for assessment

This unit may be assessed on the job, off the job or a combination of both on and off the job. Where assessment occurs off the job, that is the candidate is not in productive work, then an appropriate simulation must be used where the range of conditions reflects realistic workplace situations. The competencies covered by this unit would be demonstrated by an individual working alone or as part of a team. The assessment environment should not disadvantage the candidate.

This unit could be assessed in conjunction with any other units addressing the safety, quality, communication, materials handling associated with a marine environment, or other units requiring the exercise of the skills and knowledge covered by this unit.

#### Method of assessment

Assessors should gather a range of evidence that is valid, sufficient, current and authentic. Evidence can be gathered through a variety of ways including direct observation, supervisor's reports, project work, samples and questioning. Questioning techniques should not require language, literacy and numeracy skills beyond those required in this unit of competency. The candidate must have access to all tools, equipment, materials and documentation required. The candidate must be permitted to refer to any relevant workplace procedures, product and manufacturing specifications, codes, standards, manuals and reference materials.

#### Guidance information for

**EVIDENCE GUIDE****assessment****Range Statement****RANGE STATEMENT**

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

**Briefing**

Briefing information may include:

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

**Emergency**

Emergencies may include:

- 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

| <b>RANGE STATEMENT</b>            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Distress signals</b>           | <p>Distress signals may include:</p> <ul style="list-style-type: none"><li>• pyrotechnic distress flares</li><li>• flags</li><li>• radio</li><li>• hand signals</li><li>• dye markers</li><li>• International Code Signal of Distress</li><li>• sound signal including voice</li><li>• EPIRB</li><li>• V-sheet</li><li>• reflective mirror</li><li>• light signals</li><li>• mobile phone</li></ul>                                                                                               |
| <b>Preparation for abandoning</b> | <p>Preparation for abandoning includes:</p> <ul style="list-style-type: none"><li>• brief on-board personnel</li><li>• take drinking water</li><li>• don of life jackets</li><li>• identify location of vessel</li><li>• communicate to rescuers actions taken or to be taken</li><li>• assess and ensure readiness of life rafts/life rings</li><li>• activate EPIRB</li><li>• identify and collect emergency equipment, provisions and clothing</li><li>• deploy anchor or sea anchor</li></ul> |

## Unit Sector(s)

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| <b>Unit sector</b> |  |
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## Co-requisite units

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| <b>Co-requisite units</b> |  |
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| <b>Co-requisite units</b> |  |  |
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## Competency field

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| <b>Competency field</b> | Boating services |
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