



Australian Government

MARF5002A Provide medical first aid on board a vessel

Release 1

MARF5002A Provide medical first aid on board a vessel

Modification History

Release 1

This is the first release of this unit.

Unit Descriptor

This unit involves the skills and knowledge required to provide immediate first aid in the event of accident or illness on board a vessel.

Application of the Unit

This unit applies to maritime workers working in the maritime industry as a Watchkeeper Deck; as a Master, Chief Mate or Watchkeeper Deck on ships of less than 500 gross tonnage (GT) in any operating area; or as Master or Chief Mate of vessels less than 3000 GT operating in near coastal waters; or as Marine Engineer Class 2 on commercial vessels greater than 3000 kW; or as a Marine Engineer Class 1 on commercial vessels of unlimited propulsion power.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

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|--|---|
| 1 Prepare to respond to emergency on board | <ul style="list-style-type: none">1.1 Casualty condition is assessed and appropriate response is determined in order to minimise hazards and determine the need for emergency medical assistance1.2 Options for transporting casualty or waiting for medical assistance are evaluated in relation to environmental issues, transport availability and casualty condition1.3 Casualty is sheltered from elements according to environmental conditions, if required |
| 2 Provide first aid on board | <ul style="list-style-type: none">2.1 Nature of casualty injury/condition and relevant first aid procedures are determined and explained to the casualty2.2 Consent is sought from the casualty prior to applying first aid2.3 First aid is provided to address casualty condition and according to effective first aid principles2.4 Casualty condition is monitored and ongoing first aid is provided as required2.5 Casualty is calmly reassured according to effective first aid principles2.6 Condition of casualty is documented over time to assist in providing ongoing first aid |
| 3 Work in conjunction with medical and emergency services support | <ul style="list-style-type: none">3.1 Communication links are established with medical services using relevant communication equipment to ensure prompt control action is taken3.2 Appropriate medical assistance is sought according to the circumstances3.3 Medication is administered under direction from an authorised health worker as required3.4 Directions given by emergency services are followed to assist in the evacuation of the casualty, if required |
| 4 Participate in debriefings | <ul style="list-style-type: none">4.1 Information is provided on the incident and the first aid assistance provided4.2 Clarifications are provided, where required4.3 Suggestions are provided to improve future operations |

Required Skills and Knowledge

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

Required Skills:

- Accurately listen to, clarify and apply medical instructions
- Administer medication under direct instruction from an authorised health worker
- Conduct an initial casualty assessment
- Demonstrate adequate infection control procedures
- Evaluate available options for transporting or maintaining condition of casualty
- Examine casualty or patient
- Identify and prepare an area for safe evacuation
- Improvise treatment and associated resources
- Plan an appropriate first aid response in line with established first aid principles, policies and procedures
- Prepare incident reports
- Use available communication methods and equipment to access medical assistance

Required Knowledge:

- Body structure and function
- Burns, scalds and the effects of heat and cold
- Cardiac arrest, drowning and asphyxia
- First aid kit
- Fractures, dislocations and muscular injuries
- Medical care of rescued persons
- Pharmacology
- Radio medical advice
- Sterilisation
- Toxicological hazards on board including use of the Medical First Aid Guide for Use in Accidents Involving Dangerous Goods (MFAG) or its national equivalent
- Work health and safety (WHS)/occupational health and safety (OHS) requirements and work practices

Evidence Guide

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

Guidelines for the Training Package.

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

The evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the Elements, Performance Criteria, Required Skills, Required Knowledge and include:

- minimising the risk of harm to self and others at all times
- promptly completing identification of probable cause, nature and extent of injuries according to current first aid practice.

Context of and specific resources for assessment

Performance is demonstrated consistently over time and in a suitable range of contexts.

Resources for assessment include access to:

- industry-approved marine operations site where providing medical first aid on board a vessel can be conducted
- tools, equipment and personal protective equipment currently used in industry
- relevant regulatory and equipment documentation that impacts on work activities
- range of relevant exercises, case studies and/or other simulated practical and knowledge assessments
- appropriate range of relevant operational situations in the workplace.

In both real and simulated environments, access is required to:

- relevant and appropriate materials and equipment
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals.

Method of assessment

Practical assessment must occur in an:

- appropriately simulated workplace environment and/or
- appropriate range of situations in the workplace.

A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate to this unit:

- direct observation of the candidate providing medical first aid on board a vessel
- direct observation of the candidate applying relevant WHS/OHS requirements and work practices.

Guidance information for assessment

Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.

In all cases where practical assessment is used it should be combined with targeted questioning to assess Required

Knowledge.

Assessment processes and techniques must be appropriate to the language and literacy requirements of the work being performed and the capacity of the candidate.

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.

Emergency may include:

- Asphyxia
- Burns and scalds and the effects of heat and cold
- Cardiac arrest
- Drowning
- Fractures, dislocations and muscular injuries
- Medical care of rescued persons
- Advice given by authorised health worker
- Severity of injury
- Time required for medical assistance to arrive
- Whether movement might cause a deterioration in casualty condition
- Whether contact with medical and/or emergency services has been achieved

Options for transporting casualty or waiting for medical assistance may include:

Documented may include:

- Administration of medications including time, date, dose, person administering
- Description of injury
- First aid management
- Fluid/oral intake/output including fluid loss via blood, vomit, faeces, urine
- Location
- Time
- Vital signs

Communication equipment may include:

- GMDSS equipment
- VHF radio

Authorised health worker may include:

- General practitioner
- Nurse practitioner
- Paramedic/ambulance officer

Unit Sector(s)

Not applicable.

Competency Field

Operational Quality and Safety