



Australian Government

MARF1005A Meet work health and safety requirements

Release 1

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Modification History

Release 1

This is the first release of this unit.

This unit replaces and is equivalent to TDMMF5407A Observe safety and emergency procedures on a coastal vessel.

Unit Descriptor

This unit involves the skills and knowledge required to follow defined work health and safety (WHS)/occupational health and safety (OHS) policies and procedures relating to the work being undertaken in order to ensure own safety and that of others on board a vessel.

Application of the Unit

This unit applies to deck and engine workers working in the maritime industry on vessels up to 80 metres. They could be working independently or as part of a vessel crew.

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 Recognise safety management system requirements | 1.1 WHS/OHS responsibilities and duties are identified and accountability processes are appreciated

1.2 WHS/OHS policies and procedures are accessed, reviewed and clarification sought where necessary

1.3 Implications of any changes to the safety management system (SMS) are identified and addressed

1.4 Records are accurately completed |
| 2 Work safely | 2.1 Established safety procedures are followed when conducting work

2.2 Work for which personal protective clothing and/or equipment required is identified, used, maintained and stored according to workplace procedures

2.3 Safety checks on all equipment and machinery are undertaken before operation according to workplace procedures

2.4 Hazardous chemicals are identified and handled according to workplace procedures

2.5 Safe manual handling techniques are used when conducting work

2.6 Worker/employee responsibilities prescribed in WHS/OHS legislation are recognised and carried out |
| 3 Follow workplace procedures for hazard identification, risk assessment and risk control | 3.1 Hazards in the workplace are recognised and reported to designated personnel according to workplace procedures

3.2 Assessment of risks associated with identified hazards is made according to workplace procedures

3.3 Workplace procedures and work instructions for controlling risks are followed

3.4 Risks to fellow workers and other people are recognised and action is taken to eliminate or reduce them |
| 4 Participate effectively in WHS/OHS consultation processes | 4.1 WHS/OHS issues are raised with designated personnel according to workplace procedures

4.2 Contributions are made to workplace meetings, inspections and other WHS/OHS activities

4.3 Ideas are provided to control the level of risk associated with work tasks |

**5 Follow
emergency
procedures**

- 5.1 ***Emergency incidents*** are identified and reported
- 5.2 Emergency procedures are followed in responding to emergency incidents
- 5.3 Emergency equipment is used in responding to emergency incidents
- 5.4 Appropriate personnel are notified according to workplace procedures

Required Skills and Knowledge

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

Required Skills:

- Access workplace information on health and safety policies and procedures
- Apply problem solving skills to investigate and identify causes of WHS/OHS incidents
- Apply person overboard procedures for recovery
- Contribute to review and development of advice on appropriate WHS/OHS procedures
- Demonstrate safe work practices
- Identify and respond to typical emergency situations
- Identify isolation points for equipment and follow workplace procedures for lock out or tag out of equipment as required
- Identify WHS/OHS hazards related to work responsibilities and take required action to remove or control hazards
- Maintain housekeeping standards in work area
- Render assistance to others in distress
- Report WHS/OHS information according to workplace procedures
- Select, fit and use appropriate personal protective clothing and equipment
- Use consultation processes to consult others on WHS/OHS issues

Required Knowledge:

- Action to be taken:
 - in an emergency situation
 - in the event of loss of rudder
 - in the event of lost or fouled propeller
 - when vessel is completely disabled
- Application of concepts of hazard identification, risk assessment and control options
- Communication systems and consultation arrangements
- Difference between hazards (something or a source or situation with the potential to harm life or health) and risks (chance of something occurring that will result in injury or damage)
- Disposition of persons onboard to ensure satisfactory stability and trim
- Emergency and evacuation procedures
- Impact of housekeeping on safety
- Location of advice on WHS/OHS issues including documents such as procedures and safety data sheets (SDS)/material safety data sheets (MSDS)
- Obligations and duties towards all persons onboard
- Procedures and responsibilities for investigating WHS/OHS incidents and assessing risk

- Procedures for working in confined spaces
- Purpose and procedure for collecting and reporting WHS/OHS information
- Safe work procedures relating to work responsibilities
- SMS
- Steps to be taken after collision, grounding or other marine casualty and resulting hull damage
- Storage requirements for hazardous goods used in the work area
- Typical hazards related to work responsibilities
- Use, care and storage of personal protective clothing and equipment
- Use of distress signals and penalty for misuse
- WHS/OHS legislation, regulations, codes of practice and organisational procedures associated with work responsibilities

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:

- working as part of a team
- selecting and using the most appropriate personal protective clothing and equipment for the situation.

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 observation of compliance with safety and emergency procedures on a vessel up to 80 metres 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 observing safety and emergency procedures on a vessel up to 80 metres
- 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.

Safety procedures must include:

- Instructions on how a workplace activity should be carried out, by whom and when, and may include:
 - isolation
 - permit to work
 - noise and vibration
 - emergency procedures
 - rescue procedures
 - use of safety and flotation devices
 - work in rough weather
 - use of personal protective equipment
 - manual handling
 - use and storage of hazardous substances
 - accident and incident reporting
 - electrical safety
 - vessel housekeeping
 - plant and equipment
 - health and hygiene
 - working with the elements

Personal protective clothing and equipment may include:

- Aprons
- Breathing apparatus
- Eye protectors
- Gloves
- Harnesses
- Hats
- Hearing protectors
- Helmets
- Overalls
- Personal flotation devices
- Personal locator beacons
- Safety lines
- Shoes
- Spats

Hazardous chemicals may include:

- Battery acid
- Cleaning fluids
- Fuel
- Gas

Safe manual handling techniques may include:	• Oils and lubricants • Paint • Thinners • Bending • Lifting • Loading materials • Moving • Pulling • Pushing • Repetitious tasks • Storing materials at heights • Up-ending materials
Worker/employee responsibilities may include:	• Accepting responsibility for protection of health and safety of others through avoidance of personal action that will put others at risk • Cooperating with employer/supervisor in any action taken to comply with WHS/OHS legislation • Taking reasonable care for own health and safety
Hazards may include:	• Contact with chemicals and hazardous substances • Contaminants • Contact with electricity • Contact with plant and marine life • Dangerous organisms • Equipment operation and maintenance • Falls, trips and slips • Exposure to heat, cold and water • Hitting or being hit by stationary or moving objects • Immersion in water without a personal flotation device (PFD) • Ladders • Manual handling • Noise • Poor housekeeping and lack of deck space • Repetitive movements and awkward postures • Smoking and alcohol • Unventilated holds • Weather and water conditions • Working in confined spaces • Working with inappropriate clothing • Working with knives
Designated personnel may include:	• Master of the vessel • Supervisors, managers and team leaders

Emergency incidents may include:

- Workplace WHS/OHS personnel
- Other persons authorised or nominated by the workplace to perform, approve, inspect or direct specified work
- Beaching with and without heavy surf
- Chemical spills
- Collisions
- Disabled vessel
- Electrocution
- Falling or being dragged overboard
- Fire
- Flood
- Grounding
- Hull damage
- Immersion in water
- Injuries associated with dangerous organisms (such as bites, stings, poisoning)
- Injuries associated with machines, vehicles, vessels, diving
- Loss of rudder
- Lost or fouled propeller
- Rescue activities
- Rough weather and heavy seas
- Vessel capsize

Unit Sector(s)

Not applicable.

Competency Field

Operational Quality and Safety