



Australian Government

MARF002 Follow procedures to minimise and fight fires on board a vessel

Release: 2

MARF002 Follow procedures to minimise and fight fires on board a vessel

Modification History

Release 2. Mapping information has been corrected.

Release 1. New unit of competency.

Application

This unit involves the skills and knowledge required to apply defined policies and procedures when carrying out fire minimisation procedures and fighting a fire on board a vessel.

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.

This unit has links to legislative and certification requirements.

Pre-requisite Unit

Not applicable.

Competency Field

F – Operational Quality and Safety

Unit Sector

Not applicable.

Elements and Performance Criteria

Elements describe the essential outcomes.

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

1 Carry out fire minimisation procedures

1.1 Fire hazards and risks on board vessel are identified and reported to designated personnel according to workplace procedures

1.2 Workplace procedures and work instructions for controlling fire risks are followed

1.3 Firefighting equipment is regularly checked and appropriate

- action is taken to ensure it is operational
- 1.4 Participation in fire drills and musters is undertaken to ensure readiness for fire emergencies
- 2 Follow instructions during response to a fire emergency**
- 2.1 Location and class of fire are identified and alarm is raised and/or responded to according to workplace procedures
- 2.2 Appropriate protective clothing and equipment requirements are made ready
- 2.3 Instructions to contain the spread of fire and smoke are acted upon
- 2.4 Fire is attacked using appropriate method, firefighting equipment and extinguishing media/agent according to instructions
- 2.5 Collaboration and communication is maintained with others to support the safety and efficiency of the firefighting operation
- 3 Support post-fire operations**
- 3.1 Fire watch is carried out as instructed to prevent further outbreak
- 3.2 Equipment is restored to operational condition according to workplace instructions
- 3.3 Assistance is provided to preserve fire scene prior to investigation, as required
- 3.4 Information relevant for fire incident debrief is provided

Foundation Skills

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

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Fire hazards and risks must include:	• cargo • clothing • cooking oils • cordage • electrical arcing • fuels and lubricants • furnishings • paints • poor housekeeping • poor work practices • smoking • spontaneous combustion
Firefighting equipment must include the following:	• fire blankets • hydrant hoses and nozzles • international shore connection • portable extinguishers • pumps
Classes of fire must include:	• A – Carbonaceous solids • B – Flammable liquids • C – Flammable gases • E – Electrically energised equipment • F – Cooking fats or oils
Protective clothing and equipment must include:	• foot protection • hand protection • radiant heat protection
Extinguishing media/agent must include:	• extinguishing powder • foam • gaseous extinguishing agents • water
Restoring equipment must include:	• cleaning • servicing (as required) • re-stowing

Unit Mapping Information

This unit replaces and is equivalent to MARF1002A Follow procedures to minimise and fight fires on board a vessel.

Links

MAR Maritime Training Package Companion Volume Implementation Guide at: -
http://companion_volumes.vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=22