



Australian Government

**Assessment Requirements for MARF021
Manage safety and security of vessel crew
and passengers**

Release: 1

Assessment Requirements for MARF021 Manage safety and security of vessel crew and passengers

Modification History

Release 1. This is the first release of this unit of competency in the MAR Maritime Training Package Release 3.0.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions on at least one occasion and include:

- applying all relevant work health and safety (WHS)/occupational health and safety (OHS) and work practices
- applying procedures for monitoring fire detection and safety systems to ensure all alarms are detected promptly and acted upon according to established emergency procedures
- communicating using appropriate channels and communication codes and signals
- completing documentation and reporting requirements on matters related to the development of emergency and damage control plans
- determining response appropriate to security risk situations
- developing emergency procedures according to established plans for emergency situations
- developing effective planning documents
- identifying and complying with security incident response procedures
- identifying security risk factors and conducting risk assessments
- instructing personnel on procedures to be taken during emergency situations on board a vessel
- interpreting and applying security and safety practices and regulations
- maintaining the operational condition of lifesaving, firefighting and other safety systems
- managing the handling of emergency situations on board a vessel
- minimising hazards and risks to the safety of self and others
- organising fire drills and abandon ship drills
- preparing contingency plans for response to emergencies
- providing the required amount of detail in reports
- reporting emergency situations on board a vessel.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include

knowledge of:

- actions to be taken to protect and safeguard all persons on board in emergencies
- actions to limit damage and save the vessel following fire, collision or grounding
- bomb threat and counter-terrorism procedures
- concept of reserve buoyancy and its relevance to damage control in vessels
- faults that can occur with fire detection, firefighting, lifesaving and safety equipment, and systems and appropriate remedial action and solutions
- functions and use of lifesaving appliances
- general principles of damage control and the manner in which the watertight integrity of the hull is maintained on a vessel
- importance of maintaining fire detection, firefighting, lifesaving and safety equipment and systems, and potential consequences if the equipment or systems are not operational during an emergency
- lifesaving appliance regulations (International Convention for the Safety of Life at Sea)
- methods and aids for fire prevention, detection and extinction
- methods for checking and replacing consumable materials in fire detection, firefighting, lifesaving and safety equipment and systems
- regulations related to security risk management
- regulatory requirements for emergency response plans
- regulatory requirements related to maintaining fire detection, firefighting, lifesaving and safety equipment and systems
- relevant Australian Maritime Safety Authority (AMSA) Marine Orders and Notices, International Ship and Port Facility Security Code (ISPS Code), and other relevant International Maritime Organization (IMO) Conventions and Codes
- safety management system (SMS) plans, procedures, checklists and instructions
- ship construction including damage control measures
- statutory requirements pertaining to damage control in vessels
- types of fire detection, firefighting, lifesaving and safety equipment and systems on board vessels and the procedures for their use
- ways of controlling damage during a flooding emergency
- WHS/OHS requirements and work practices.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations, current at the time of assessment.

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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.

Assessment must occur in workplace operational situations or where this is not available, in simulated workplace operational situations or an industry-approved marine operations site where a range of damage scenarios can be demonstrated including:

- collision damage
- damage caused by cargo shift
- integrity of vessel hull.

Resources for assessment include access to:

- relevant documentation including workplace procedures, activity logs, incident reports, request for assistance forms, records of conversations, regulations, codes of practice and operation manuals
- tools, equipment, material and personal protective equipment currently used in industry.

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

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=772efb7b-4cce-47fe-9bbd-ee3b1d1eb4c2>