



Australian Government

MARF039 Manage safety and security of vessel, crew and passengers

Release: 1

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Modification History

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

Application

This unit involves the skills and knowledge required to develop emergency and damage control plans, and to respond and manage navigational and emergency situations to maintain the safety and security of vessel crew and passengers.

This unit applies to people working in the maritime industry in the capacity of:

- Engineer Class 1 (STCW Chief Engineer Unlimited)
- Engineer Class 2 (STCW Second Engineer Unlimited)
- Master of a commercial vessel Unlimited.

Licensing/Regulatory Information

Legislative and regulatory requirements are applicable to this unit.

- This unit is one of the requirements to obtain Australian Maritime Safety Authority (AMSA) certification as an Engineer Class 1 (STCW Chief Engineer Unlimited), Engineer Class 2 (STCW Second Engineer Unlimited) or Master Unlimited and to meet regulatory requirements this unit must be delivered consistent with Marine Orders and with the relevant sections of the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW).
- Those regulatory requirements include STCW International Maritime Organization (IMO) model course competencies and areas of knowledge, understanding and proficiency, together with the estimated total hours required for lectures and practical exercises. Teaching staff should note that timings are suggestions only and should be adapted to suit individual groups of trainees depending on their experience, ability, equipment and staff available for training.

Pre-requisite Unit

Not applicable.

Competency Field

F – Operational Quality and Safety

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

1 Develop emergency and damage control plans

- 1.1** Potential emergencies and damage scenarios are identified
- 1.2** Plans of action are developed for responding to potential emergencies and damage scenarios according to regulatory and organisational requirements
- 1.3** Procedures, checklists and instructions for dealing with emergencies and damage scenarios are documented according to regulatory and organisational requirements
- 1.4** Resources are organised in readiness for potential implementation of emergency and damage control plans
- 1.5** Information on emergency and damage control plans is distributed and made available to crew
- 1.6** Appropriate instruction is organised for crew about their roles and responsibilities during various emergencies and damage control scenarios

2 Develop security risk management plans

- 2.1** Security risk management plans are prepared according to regulatory and organisational requirements
- 2.2** Explanatory information on the importance of security and the organisation's security objectives is contained in plans
- 2.3** Threat assessments undertaken, current exposure and current protective security arrangements are summarised in plans
- 2.4** Security strategies for implementing, monitoring and evaluating countermeasures are outlined in plans
- 2.5** Appropriate instruction is organised for crew about their roles and responsibilities in a security threat

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| 3 Maintain the operational condition of firefighting, lifesaving and safety systems | 3.1 Safety management system (SMS) processes and outcomes for maintaining the operational condition of firefighting, lifesaving and safety systems are identified |
| | 3.2 Procedures and supporting documentation for the routine maintenance of firefighting, lifesaving and safety systems are developed |
| | 3.3 Personnel roles and responsibilities are allocated and communicated |
| | 3.4 Checks are conducted according to SMS requirements |
| | 3.5 Non-compliances are identified and analysed |
| | 3.6 Appropriate responses to non-compliances are initiated according to SMS requirements |
| | 3.7 Outcomes are recorded and reported according to regulatory and organisational requirements |
| 4 Organise fire and abandon vessel drills | 4.1 Fire and abandon vessel drills are planned and conducted according to regulatory requirements and organisational procedures |
| | 4.2 Instruction is provided to others on organisational procedures and the correct use of firefighting and lifesaving equipment |
| | 4.3 Musters and drills are reviewed against objectives |
| | 4.4 Records are completed according to regulatory requirements and organisational procedures |
| 5 Manage navigational and other emergencies | 5.1 Initial actions for an emergency are undertaken according to contingency plans, urgency of the situation and nature of the emergency |
| | 5.2 Onboard personnel are given information and instructions clearly and accurately |
| | 5.3 Procedures are implemented to combat navigational and other emergencies to protect persons onboard vessel |
| | 5.4 Communications are established with others to facilitate the emergency response process |
| | 5.5 Assistance is coordinated and provided by appropriate |

		personnel
	5.6	Contact is maintained with others at all times to keep them briefed on the emergency response process
	5.7	Preparation for abandoning vessel is undertaken, as required
	5.8	Cessation of emergency is communicated to appropriate personnel
6	Maintain operational safety	
	6.1	Environmental factors are continually monitored, assessed and reviewed to identify distinctive features and any change in characteristics that might indicate unusual or suspicious behaviour
	6.2	Personal safety checks are made on a systematic and routine basis according to organisational procedures
	6.3	Resources and equipment are organised in readiness for potential security risk situations
7	Respond to security risks	
	7.1	Security risk situations are accurately identified and assessed for degree of risk to self, others and vessel
	7.2	Response to security risk is formulated and carried out according to security risk management plan
	7.3	Safety and security of self, others and vessel is maximised through response initiative
	7.4	Changing circumstances are monitored and responses are adjusted, as required, to maintain security
	7.5	Relevant documentation is completed and securely maintained according to confidentiality requirements and organisational procedures

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.

Unit Mapping Information

This unit replaces and is equivalent to MARF021 Manage safety and security of vessel crew and passengers.

Links

Companion Volume implementation guide can be found in VetNet -

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