



Australian Government

MARO005 Contribute to monitoring and controlling a safe engine watch

Release: 1

MARO005 Contribute to monitoring and controlling a safe engine watch

Modification History

Release 1. New unit of competency.

Application

This unit involves the skills and knowledge required to contribute to a safe engine watch on a vessel while under the direction of the officer in charge of the engineering watch.

This unit applies to an Integrated Rating or Able Seafarer-Engine, who assists, under the direction of the officer in charge of the engineering watch, in performing engine watchkeeping duties.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

O – Watchkeeping

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Follow instructions to monitor engine-room machinery and equipment

PERFORMANCE CRITERIA

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

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| 1.1 | Unsafe conditions and potential hazards are recognised, and risk is assessed and reported according to organisational procedures |
| 1.2 | Unsafe conditions and hazards are rectified according to organisational procedures |

- 1.3 Effective communication is maintained with the officer in charge of the engineering watch about matters relevant to the safety and integrity of the vessel
 - 1.4 Procedures for relief, maintenance and handover of a watch are followed
 - 1.5 Emergency situations are promptly reported to the officer in charge of the engineering watch
 - 1.6 Alarms are recognised and reported
- 2 Respond to potential emergency situations**
- 2.1 Control measures to minimise a potential emergency are implemented
 - 2.2 Containment procedures are applied as required
 - 2.3 Appropriate safety procedures are followed and personal protective equipment is used according to organisational procedures
 - 2.4 Emergency is eliminated where possible or actions are taken to control the emergency
 - 2.5 Appropriate firefighting equipment is identified to carry out firefighting operations
 - 2.6 Unsafe conditions and potential hazards are recognised, and risk is assessed and reported to the officer in charge of the engineering watch according to organisational procedures
 - 2.7 Unsafe conditions and hazards are rectified according to 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.

Non-essential conditions can be found in the Companion Volume Implementation Guide.

Emergency situations include one or more of the following:

- crankcase and gearbox explosions
- fire, including engine room scavenge fires
- gearbox failure
- generator failure
- loss of engine cooling water
- starting air-line

Unit Mapping Information

This unit replaces and is equivalent to MARO3001A Contribute to monitoring and controlling a safe engine watch.

Links

Companion Volume implementation guides are found in VETNet -

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