



Australian Government

MARJ007 Monitor environmental management on a vessel

Release: 1

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Modification History

Release 1. New unit of competency. Licensing/regulatory information has been incorporated in accordance with Regulatory requirements. Assessment Requirements have been strengthened in accordance with Regulatory requirements.

Application

This unit involves the skills and knowledge required to monitor the implementation of environmental management policies and procedures on a vessel up to 80 m to ensure compliance with marine regulations and environmental considerations.

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

- master on commercial vessels <35 m in length within the exclusive economic zone (EEZ) or
- master on vessels <80 m in length in inshore waters or
- chief mate or deck watchkeeper on vessels <80 m in length within the EEZ or
- chief engineer on vessels with an inboard engine with propulsion power <1500 kW within the EEZ or
- second engineer on vessels with an inboard engine with propulsion power <3000 kW within the EEZ or
- chief or second engineer on vessels with an outboard engine with unlimited propulsion power within the EEZ; and
- assistant to a chief engineer.

Licensing/Regulatory Information

Legislative and regulatory requirements are applicable to this unit. This unit of competency is one of the requirements to obtain Australian Maritime Safety Authority (AMSA) certification as a Master (Inland waters), Master <24m NC, Mate <80m NC, Master < 35m NC and Marine Engine Driver Grade 1 NC as defined in the National Standard for Commercial Vessels (NSCV) Part D. The AMSA mandated practical assessment (AMPA) is a requirement for AMSA certification. The Australian Maritime Safety Authority (AMSA) mandated practical assessment (AMPA) will cover a range, but not all, of the requirements identified in the Performance Evidence and Knowledge Evidence. The AMPA shall be undertaken in accordance with its instructions.

Assessors of AMPA must hold as a minimum:

- a current certificate of competency issued under Marine Safety (Domestic Commercial Vessel) National Law Act 2012 at the same level as the qualification being assessed with at least 12 months' relevant sea service, or
- a relevant seafarer certificate, as master, engineer or deck officer, issued under the Navigation Act 2012.

Pre-requisite Unit

Not Applicable

Competency Field

J - Environment

Unit Sector

Not Applicable

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Ensure crew are able to implement environmental work practices

PERFORMANCE CRITERIA

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

- 1.1** Information on environmental management policies and procedures is accessible and communicated to crew
- 1.2** Information about identified environmental hazards and outcomes of risk assessments and risk control procedures are accessed and communicated to crew
- 1.3** Crew are informed of environmental hazards and risk control measures relating to their work responsibilities
- 1.4** Mentoring and coaching are provided to support individuals or crew to implement procedures to support environmental management
- 1.5** Crew is supported to implement relevant principles to meet environmental obligations and regulatory requirements
- 1.6** Crew is consulted and environmental issues relevant to their work role are identified and promptly resolved or referred to appropriate personnel

2 Monitor observance of environmental management procedures

- 2.1** Procedures for environmental management on the vessel are clearly defined and followed

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| | 2.2 | Deviations from environmental management procedures are identified and addressed |
| | 2.3 | Personal behaviour is monitored to ensure it is consistent with environmental management procedures |
| | 2.4 | Housekeeping standards on the vessel are maintained |
| | 2.5 | Breaches of environmental protection requirements are documented according to organisational procedures and regulatory requirements |
| 3 Implement emergency procedures to respond to hazardous events | 3.1 | Procedures for dealing with hazardous events are promptly implemented as required |
| | 3.2 | Hazardous events are investigated to identify cause |
| | 3.3 | Control measures to prevent recurrence and to minimise risks of hazardous events to the marine environment are implemented |
| | 3.4 | Emergency is reported in accordance with organisational procedures and regulatory requirements |
| 4 Maintain and improve vessel environmental management | 4.1 | Risk assessments are conducted and appropriate control measures are identified and implemented according to organisational procedures |
| | 4.2 | Appropriate records and log book entries are made to assist the review of managing environmental protection measures |
| | 4.3 | Potential hazards are identified, assessed and removed or reported according to organisational procedures |
| | 4.4 | Recommendations arising from risk assessments are implemented within level of responsibility |
| | 4.5 | Inadequacies in control measures are identified and reported according to organisational procedures |
| | 4.6 | Opportunities for improving environmental performance are identified and raised with appropriate personnel |

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 MARJ002 Monitor environmental management on a vessel.

Links

Companion Volume implementation guides are found in VETNet -

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