



Australian Government

MARI004 Observe regulations to ensure safe operation of a vessel up to 80 metres

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 apply current Commonwealth, state and territory Acts, legislation, codes of practice and other publications pertaining to the safe operation of a vessel up to 80 m.

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

- master on commercial vessels <35 m in length within the exclusive economic zone (EEZ) or
- master a vessel up to 80 m in inshore waters or
- chief mate or deck watchkeeper on vessels <80 m in length within the EEZ; and
- master on commercial vessels <24 m in length in inland waters.

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 a Master (Inland waters), Master <24 metres NC and Master <35m 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 or deck officer, issued under the Navigation Act 2012.

Pre-requisite Unit

Not Applicable

Competency Field

I – Regulations and Port Operations

Unit Sector

Not Applicable

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Interpret relevant maritime rules and regulations impacting on vessel operations and personal responsibilities

PERFORMANCE CRITERIA

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

1.1 Regulatory requirements for vessel operations and maintenance are followed

1.2 Duties and responsibilities as the person in charge of a vessel are recognised

1.3 Relevant Commonwealth, state and territory or local legislation governing the vessel and the passage are identified

1.4 Organisational procedures relating to the vessel's safety management system (SMS) are identified

1.5 Copies of relevant rules and regulations are stored in an accessible location on the vessel according to regulations

2 Ensure continuous validity of vessel certification

2.1 Certification expiry dates for the vessel, renewal requirements and periodic inspections or extensions are checked to ensure continuous validity

2.2 Survey items and equipment are tested, checked and maintained according to certificate conditions

2.3 Arrangements for renewals and surveys are completed in a timely manner and comply with issuing authority requirements

2.4 Vessel's documents are completed and any effects of damage and alterations or additions to the vessel or

- operations are specified according to certification requirements and authority procedures
- 2.5** Certificates and documentation are stored in a location on the vessel according to regulations
- 3 Apply legislative and regulatory requirements to vessel operations and maintenance**
- 3.1** Regulatory requirements relating to operations and maintenance of the vessel are interpreted and applied as required
- 3.2** Vessel procedures for monitoring operations and maintenance are implemented
- 3.3** Training and instruction, including induction training, on procedures is instigated to ensure crew comply with regulations
- 3.4** Failure to comply with procedures is identified and dealt with according to organisational procedures
- 3.5** Tasks are monitored to ensure compliance with regulatory requirements
- 3.6** Problems that may lead to potential non-compliance are promptly identified and rectified or reported according to organisational procedures
- 3.7** Compliance with all relevant legislative and regulatory requirements is demonstrated while operating the vessel
- 4 Maintain statutory records of compliance**
- 4.1** Regulatory requirements related to records and reports are interpreted
- 4.2** Records and reports are completed to comply with applicable regulations
- 4.3** Records and reports are distributed to the required maritime authority at appropriate times and places
- 4.4** Copies of records and reports are maintained according to regulatory requirements
- 4.5** Evidence of current authorisation, training and relevant licences are maintained according to legal and regulatory requirements

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 MARI002 Observe regulations to ensure safe operation of a vessel up to 80 metres.

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MARI004 Observe regulations to ensure safe operation of a vessel up to 80 metres

Modification History

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Performance Evidence

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

- identifying and acting according to the duties and responsibilities of the Master
- identifying and solving problems relating to the implementation of regulations for the operation, security and maintenance of a vessel up to 80 m
- interpreting and applying regulations related to the operation, security and maintenance of a vessel up to 80m
- maintaining statutory records of compliance, including logbooks
- obtaining information from Commonwealth, state and territory Acts, legislation, codes of practice and other publications relating to the operation, security and maintenance of a vessel up to 80 m
- providing detailed reports
- providing training, inductions and briefings to crew and passengers
- recognising navigation marks in the International Association of Lighthouse Authorities (IALA) Buoyage System.

Knowledge Evidence

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

- action that must be taken in the event of non-compliance with applicable maritime regulations, including reporting accidents, incidents and non-compliant activities
- applicable International Maritime Organisation (IMO) conventions, including:
 - Safety of Life at Sea (SOLAS)
 - Standards of Training Certification and Watchkeeping (STCW)
- applicable state and territory maritime regulations relating to the operation of vessels up to 80 metres
- certificates to be carried on board a vessel
- Commonwealth and state or territory legislation reflecting the provisions of International Conventions for the Prevention of Pollution from Ships (MARPOL)
- Commonwealth legislation concerning safety of life at sea

- content of Notices to Mariners, Marine Notices and other publications, including:
 - navigational warnings, including firing practices
 - precautions concerning submarine cables and pipelines
 - search and rescue
- IALA Buoyage System A
- importance of maintaining a logbook or vessel record book
- information relating to safe navigation in coastal waters
- laws relating to lifesaving appliances; fire appliances; and distress, urgency and safety signals
- legal certification requirements for a vessel less than 80 metres
- local legislation governing the vessel and its operations
- National Standard for Commercial Vessels (NSCV), in particular Part B, Part C Section 7, Part D and Part E
- procedures for monitoring compliance with relevant maritime regulations
- regulatory requirements for vessel operations and maintenance, including:
 - assisting in distress
 - duties and responsibilities of the Master
 - International Regulations for Preventing Collisions at Sea
 - operational areas and classifications of vessels
 - radio regulations
- relevant aspects of a safety management system (SMS) (International Management Code for the Safe Operation of Ships and for Pollution Prevention (ISM) Code), including:
 - safety management plans
 - standard and emergency operating procedures
 - understanding and applying SMS
- relevant state or territory Acts, regulations, notices, determinations or other legislation about the operation of vessels for which the certificate will be valid
- relevant work health and safety (WHS)/occupational health and safety (OHS) legislation
- requirements for records and reports that must be made under applicable maritime regulations, including:
 - environmental control logbooks
 - logbook or vessel record book
 - radio logbook
 - survey certificates
- responsibilities for the prevention of pollution of the marine environment
- risk management principles and application.

Assessment Conditions

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

assessment. 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.

Practical assessment must occur in a workplace, or realistic simulated workplace, under the normal range of workplace conditions. Simulations and scenarios may be used where situations cannot be provided in the workplace or may occur only rarely, in particular for situations relating to emergency procedures and adverse weather conditions where assessment would be unsafe, impractical or may lead to environmental damage.

Resources for assessment must include access to:

- applicable documentation, such as legislation, regulations, codes of practice, SMS, workplace procedures and operational manuals, including:
 - certificates required on board a vessel up to 80 metres
 - Commonwealth and state or territory legislation reflecting the provisions of MARPOL
 - environmental control logbooks
 - International Regulations for Preventing Collisions at Sea
 - logbook or vessel record book
 - Marine Orders
 - *Marine Safety (Domestic Commercial Vessel) National Law Act 2012*
 - *Marine Safety (Domestic Commercial Vessel) National Law Regulation 2013*
 - National Standard for Commercial Vessels (NSCV), in particular, Part B, Part C Section 7, Part D and Part E
 - radio logbook and regulations
 - survey certificates
 - WHS/OHS legislation.
- tools, equipment, machinery, materials and relevant personal protective equipment (PPE) currently used in industry.

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