



Australian Government

MARI3001A Observe regulations to ensure safe operation of a vessel up to 80 metres

Release 1

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Modification History

Release 1

This is the first release of this unit.

Unit Descriptor

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 metres.

Application of the Unit

This unit applies to a Master working in the maritime industry on vessels up to 80 metres.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

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|---|--|
| 1 Interpret relevant maritime rules and regulations impacting on vessel operations and personal responsibilities | <p>1.1 <i>Regulatory requirements for vessel operations and maintenance</i> are followed</p> <p>1.2 Duties and responsibilities as the person in charge of a vessel are recognised</p> <p>1.3 Relevant commonwealth, state and territory or local legislation governing the vessel and the passage are identified</p> <p>1.4 Organisational procedures relating to the vessel's safety management system are identified</p> <p>1.5 Copies of relevant rules and regulations are stored in an accessible location on the vessel according to regulations</p> |
| 2 Ensure continuous validity of vessel certification | <p>2.1 Certification expiry dates for the vessel, renewal requirements, periodic inspections or extensions are checked to ensure continuous validity</p> <p>2.2 Survey items and equipment are tested, checked and maintained according to certificate conditions</p> <p>2.3 Arrangements for renewals and surveys are completed in a timely manner and comply with issuing authority requirements</p> <p>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</p> <p>2.5 Certificates and documentation are stored in a location on the vessel according to regulations</p> |
| 3 Apply legislative and regulatory requirements to vessel operations and maintenance | <p>3.1 Regulatory requirements relating to operations and maintenance of the vessel are interpreted and applied as required</p> <p>3.2 Vessel procedures for monitoring operations and maintenance are implemented</p> <p>3.3 Training and instruction, including induction training, on procedures is instigated to ensure crew comply with regulations</p> <p>3.4 Failure to comply with procedures is identified and dealt with according to organisational procedures</p> <p>3.5 Tasks are monitored to ensure compliance with regulatory requirements</p> <p>3.6 Problems that may lead to potential non-compliance are promptly</p> |

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

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required Skills:

- Identify and act according to the duties and responsibilities of the Master
- Identify and solve problems to do with the implementation of regulations relating to the operations, security and maintenance of a vessel up to 80 metres
- Interpret and apply regulations related to the operations, security and maintenance of a vessel up to 80 metres
- Maintain statutory records of compliance including log books
- Obtain information from commonwealth, state and territory Acts, legislation, codes of practice and other publications relating to the operations, security and maintenance of a vessel up to 80 metres
- Provide training, inductions and briefings to crew and passengers

Required Knowledge:

- Action that must be taken for non-compliance with applicable maritime regulations
- Applicable state and territory maritime regulations relating to the operation of vessels up to 80 metres
- Certificates to be carried on board
- Collision regulations relevant to a domestic Australian vessel up to 80 metres
- Content of publications and Marine Notices about:
 - navigational warnings (including firing practices)
 - precautions concerning submarine cables and pipelines
 - search and rescue
- Commonwealth legislation concerning safety of life at sea
- Commonwealth and state legislation reflecting the provisions of international conventions for the prevention of pollution from ships
- Importance of maintaining a log book or vessel record book
- Information relating to safe navigation in coastal waters
- International Association of Lighthouse Authorities (IALA) Buoyage System A
- Laws relating to lifesaving appliances; fire appliances; distress, urgency and safety signals
- Legal certification requirements for a vessel less than 80 metres
- Procedures for monitoring compliance with relevant maritime regulations
- Responsibilities for the prevention of pollution of the marine environment
- State and territory Acts, regulations, notices, determinations or other legislation about the operation of trading vessels for which the certificate will be valid
- Relevant aspects of a safety management system (ISM Code)

- 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
- Risk management principles and application
- Uniform Shipping Laws (USL) Code, in particular Section 15, Emergency Procedures and Safety of Navigation and National Standard for Commercial Vessels (NSCV) Part C, Section 7

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, the required skills and knowledge, the range statement and the Assessment Guidelines for the Training Package.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

The evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the Elements, Performance Criteria, Required Skills, Required Knowledge and include:

- recognising navigation marks in the IALA Buoyage System
- providing the required amount of detail in reports
- attention to appropriate level of detail in recordkeeping.

Context of and specific resources for assessment

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

Resources for assessment include access to:

- industry-approved marine operations site where compliance with regulations to ensure safe operation of vessels up to 80 metres can be conducted
- tools, equipment and personal protective equipment currently used in industry
- relevant regulatory and equipment documentation that impacts on work activities
- range of relevant exercises, case studies and/or other simulated practical and knowledge assessments
- appropriate range of relevant operational situations in the workplace.

In both real and simulated environments, access is required to:

- relevant and appropriate materials and equipment
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals.

Method of assessment

Practical assessment must occur in an:

- appropriately simulated workplace environment and/or
- appropriate range of situations in the workplace.

A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate to this unit:

- direct observation of the candidate applying current commonwealth, state and territory Acts, legislation, codes of practice and other publications relevant to the safe operation of a vessel up to 80 metres.

Guidance information for assessment

Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.

In all cases where practical assessment is used it should be combined with targeted questioning to assess Required Knowledge.

Assessment processes and techniques must be appropriate to the language and literacy requirements of the work being performed and the capacity of the candidate.

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below.

Regulatory requirements for vessel operations and maintenance must include:

- Assisting in distress
- Certificates on board a vessel
- Distress signals
- Duties and responsibilities of the Master
- IALA Buoyage System
- International Regulations for Preventing Collisions at Sea
- Lifesaving and firefighting appliances
- Lights, shapes and sounds
- Log book or vessel record book
- Marine pollution prevention
- Operational areas and classifications of vessels
- Radio log book and regulations
- WHS/OHS legislation
- Applicable log books
- Environmental control log books
- Survey certificates

Records and reports may include:

Unit Sector(s)

Not applicable.

Competency Field

Regulations and Port Operations