



Australian Government

**Assessment Requirements for MARN019
Command and manage a voyage on a vessel
up to 45 metres (Near coastal)**

Release: 1

Assessment Requirements for MARN019 Command and manage a voyage on a vessel up to 45 metres (Near coastal)

Modification History

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

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:

- applying hazard avoidance techniques in passage planning
- communicating effectively with others about watchkeeping issues, arrangements and requirements
- completing and maintaining required records relevant to planning and navigating a passage
- managing a vessel pre-departure checks of navigation equipment
- determining and communicating required actions for a range of abnormal and emergency situations in accordance with workplace procedures (and safety management systems (SMS))
- developing and implementing a passage plan taking into account:
 - anticipated weather conditions
 - courses to steer
 - depths of water throughout passage
 - estimated time of arrival (ETA) at destination
 - knowledge of navigation markers during passage
 - tidal information
- ensuring lights, shapes and sound signals are correctly recognised and acted upon when conducting a voyage
- issuing helm and engine orders
- maintaining and reporting on vessel and external changes for situational awareness when conducting a voyage
- manoeuvring a vessel in normal and emergency situations
- monitoring and anticipating hazards and risks that may arise during watchkeeping duties and taking appropriate actions
- selecting and using relevant navigational equipment required for planning and navigating a vessel passage
- managing crew fatigue in accordance with workplace procedures (and safety management systems (SMS))
- managing navigation watch on an appropriately equipped vessel greater than or equal to 12 metres in length on at least two separate occasions including:
 - automatic identification system (AIS)
 - barometer

- compass
- complying with regulations for preventing collisions at sea
- day/night watch
- depth sounders
- electronic charts
- in port watch
- marine radio
- radar
- radar plotting aid
- safe navigation of the vessel.

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:

- automatic radar plotting aid (ARPA)
- bridge instrumentation, controls and alarms relevant to the function of watchkeeper
- Convention on the International Regulations for Preventing Collisions at Sea (COLREG - Preventing collisions at sea)
- effects of deadweight, draught, trim, speed, under keel clearance, tide and current on vessel's stopping distance and rate of turn
- factors to be considered when conducting a passage, including:
 - buoyage
 - navigational hazards
 - overall passage plan requirements
 - prevailing weather and sea conditions
 - proximity and course of other vessels
- functions and responsibilities of the wheelhouse team on board a vessel
- identification and appropriate actions in the event of abnormal situations that may arise during watchkeeping
- implement safety management system requirements
- interaction with passing vessels, squat, shallow water and banks effect
- manoeuvres assisting a vessel or aircraft in distress
- navigational charting systems including paper and/or electronic systems
- navigational hazards and implications for watchkeeping
- radio communication system
- relevant sections of state and territory marine regulations and marine orders
- situational awareness including:
 - factors to be considered in maintaining situational awareness
 - predicting how this will affect the vessel
 - determination of relevant passage

- tools for determining passage-risk collision
- passage patterns
- provision of navigational support
- watchkeeping standards including watchkeeping duties arrangements and principles.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within 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 workplace operational situations or, where this is not available, in simulated workplace operational situations that replicate normal range of vessel 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, workplace procedures and operational manuals
- an appropriately equipped commercial vessel greater than or equal to 12 metres in length
- tools, equipment, machinery, materials and relevant personal protective equipment (PPE) currently used in industry.

Links

Companion Volume Implementation Guides are found in VETNet -

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