



Australian Government

**Assessment Requirements for MARH036
Manage and maintain a navigational watch
on board vessels up to 100 metres**

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the MAR 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:

- communicating effectively with others about watchkeeping issues, arrangements and requirements, including:
 - verbal instructions relating to watchkeeping duties
 - written instructions, such as Master's standing orders and night orders
- interpreting and implementing procedures relevant to the role and responsibilities of watchkeeper
- maintaining situational awareness
- monitoring and anticipating hazards and risks that may arise during watchkeeping duties and taking appropriate actions
- scheduling checks and inspections (rounds) of the vessel to include appropriate coverage, frequency and timing
- selecting and using appropriate internal and external communications equipment during watchkeeping duties
- using bridge equipment in normal and emergency situations on vessels up to 100 metres
- using internal and external communications systems.

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:

- actions to be taken in the event of irregularities or abnormal conditions, including:
 - fog and restricted visibility
 - heavy weather, including cyclones
- application and intent of the International Ship and Port Facility Security (ISPS) Code as it applies to Australian coastal vessels and ports
- bridge instrumentation, controls and alarms relevant to the function of watchkeeper
- content, application and intent of the International Regulations for Preventing Collisions at Sea
- fatigue management principles, including:

- maintaining personal fitness and health and appropriate dietary habits
- observing appropriate hours of duty in a 24-hour period
- observing policy concerning alcohol and or drug use prior to watchkeeping duties
- recognising symptoms of fatigue
- functions and responsibilities of the wheelhouse team on board a vessel
- general provisions on ship routing
- identification and appropriate actions in the event of emergency situations, including:
 - cargo shift
 - collision
 - fire
 - fouled hawse
 - grounding
 - injured crew or passenger
 - loss of watertight integrity
 - missing crew or passenger
 - person overboard
 - reception of a distress signal
 - retrieval of survivors from the water
 - synchronous rolling
- identification and appropriate actions in the event of problems that may arise during watchkeeping, including:
 - dragging of anchor
 - failure of bridge equipment, steering equipment and navigational lights
 - loss of main engines or propulsion controls
 - loss of mooring lines or winches when berthing
 - machinery and bilge alarms
- International Association of Lighthouse Authorities (IALA) buoyage system A
- International Aeronautical and Maritime Search and Rescue Manual (IAMSAR)
- International Code of Signals
- lights, shapes and sound signals and their application, including:
 - alternative power source for lights
 - day time shapes for a vessel
 - emergency lights
 - means of making sound signals for a vessel up to 100 metres
 - navigation lights
- maritime communication techniques on board a vessel, including:
 - global maritime distress and safety system (GMDSS) equipment
 - radios
 - international single letter code flags
- navigational hazards and implications for watchkeeping

- procedures and communications used for coordinating search and rescue operations are in accordance with International Maritime Organisation (IMO) and Marine Order 505
- procedures for:
 - assisting a vessel in search and rescue operations
 - relief, maintenance and handover of a watch
 - use of internal communications and alarm systems
- relevant sections of state and territory marine regulations and the Marine Order 505
- typical watchkeeping problems and emergency situations, and appropriate actions and solutions
- vessel traffic services
- work health and safety (WHS)/occupational health and safety (OHS) requirements and work practices.

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 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, workplace procedures and operational manuals, including:
 - IAMSAR
 - International Regulations for Preventing Collisions at Sea
 - Marine Order
- a commercial vessel greater than or equal to 7.5 m 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>

