



Australian Government

Assessment Requirements for MARO002 Maintain a safe navigational watch

Release: 1

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Modification History

Release 1. New unit of competency.

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:

- allocating and assigning resources as needed in correct priority to perform necessary tasks
- applying principles of bridge resource management
- appropriately challenging and responding to questionable decisions and/or actions
- clearly defining responsibility for the safety of navigation at all times
- communicating effectively with others on watchkeeping issues, arrangements and requirements
- conforming to accepted principles and procedures in the conduct, handover and relief of the watch
- correctly providing sound signals
- correctly recognising lights, shapes and sound signals
- giving and receiving clear and unambiguous communications
- identifying and solving problems that may arise during watchkeeping duties, reporting problems and issues and taking appropriate action based on available information
- identifying and implementing effective leadership behaviours
- interpreting and implementing procedures relevant to the role and responsibilities of watchkeeper
- maintaining a proper lookout at all times and in such a way as to conform to accepted principles and procedures
- maintaining a proper record of the movements and activities relating to the navigation of the vessel
- modifying activities dependent on differing vessel contingencies, risk situations and environments
- monitor and anticipate hazards and risks that may arise during watchkeeping duties and take appropriate action
- monitoring traffic, the ship and the environment to conform to accepted principles and procedures
- reporting according to the General Principles for Ship Reporting Systems and vessel traffic services (VTS) procedures
- selecting and using appropriate internal and external communications equipment during watchkeeping

- sharing an accurate understanding of current and predicted vessel state, navigation path and external environment with team members
- using information from navigational equipment to maintain a safe navigational watch
- using routing according to the General Provisions on Ships' Routing.

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:

- Australian Maritime Safety Authority (AMSA) watchkeeping procedures contained in Marine Orders
- blind pilotage techniques
- bridge instrumentation, controls and alarms relevant to the function of watchkeeping
- bridge procedures on board a vessel
- bridge resource management principles including allocation, assignment and prioritisation of resources; effective communication; assertiveness and leadership; obtaining and maintaining situational awareness; consideration of team experience
- causes of groundings, collisions and casualties
- content, application and intent of the International Regulations for Preventing Collisions at Sea
- fatigue management principles and techniques
- functions and responsibilities of the watchkeeping team on board a vessel
- International Association of Lighthouse Authorities (IALA) buoyage system A and B
- manual and electronic navigational aids available to the bridge team and procedures for their operation and use during a watch
- maritime communication techniques on board a vessel
- navigational hazards and implications for watchkeeping
- operating procedures for typical navigational aids
- precautions necessary when navigating in or near traffic separation schemes or other routing measures
- principles and use of navigational recording devices for keeping records of the operation, behaviour and performance of the vessel and navigation equipment
- principles for the use of vessel routing and reporting systems for safe navigation
- principles to be observed in keeping a navigational watch
- procedures for the conduct, handover and relief of a watch
- procedures for the use of internal communications and alarm systems
- signs of fatigue
- typical bridge instrumentation, controls and alarms and their functions
- typical watchkeeping problems and emergency situations, and appropriate actions and solutions
- work health and safety (WHS)/occupational health and safety (OHS) requirements and work practices.

Assessment Conditions

Assessors must satisfy National Vocational Education and Training Regulator (NVR)/Australian Quality Training Framework (AQTF) assessor requirements.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

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.

Resources for assessment must include access to:

- tools, equipment, machinery, materials and personal protective equipment currently used in industry
- applicable documentation such as legislation, regulations, codes of practice, workplace procedures and operational manuals
- range of relevant exercises, case studies and/or simulations.

Links

Companion Volume implementation guides are found in VETNet -

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