



Australian Government

Assessment Requirements for MARL008 Demonstrate basic knowledge of ships and ship routines

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:

- access information required to undertake watchkeeping duties in routine and emergency situations
- apply effective decision making techniques
- assess own work outcomes and maintain knowledge of current codes, standards, regulations and industry practices
- develop, implement and oversee standard operating procedures
- identify and determine appropriate ways of responding to malfunctions and emergency situations in daily watchkeeping operations
- identify, interpret and process numerical and graphical information required to undertake watchkeeping duties in routine and emergency situations
- identify methods and procedures needed to implement watchkeeping duties on commercial vessels
- read and interpret written instructions, procedures and information relevant to watchkeeping duties.

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:

- bridge instrumentation, controls and alarms
- bridge resource management systems
- causes of groundings, collisions and casualties
- composition of bridge/engine room management team
- enclosed spaces
- engineering watchkeeping procedures and practices
- fatigue management principles and techniques
- functions of unmanned machinery space (UMS) controls, alarms and indicators
- hierarchy and organisational structure of shipboard personnel
- key international and Australian Standards relating to shipping
- key shipping authorities and organisations
- maritime communication techniques

- navigational hazards and implications for watchkeeping
- personal and social responsibilities on board ship
- procedures for dealing with malfunctions and emergencies
- rudder and propeller control and vessel manoeuvring characteristics
- sections of International Maritime Organization (IMO) Standards of Training, Certification & Watchkeeping (STCW) Convention and Codes and Australian Maritime Safety Authority (AMSA) Marine Orders dealing with watchkeeping principles, arrangements, procedures, roles and responsibilities
- signs of fatigue
- types of ships and key features of ships
- watch handover procedures
- work health and safety (WHS)/occupational health and safety (OHS) legislation and policies.

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>