



Australian Government

Assessment Requirements for MARL037 Demonstrate 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, performance criteria and range of conditions on at least one occasion and include:

- accessing information required to undertake watchkeeping duties in routine and emergency situations
- applying effective decision-making techniques
- applying relevant work health and safety/occupational health and safety (WHS/OHS) requirements and work practices
- assessing own work outcomes and maintaining knowledge of current codes, standards, regulations and industry practices
- developing, implementing and overseeing standard operating procedures
- identifying and determining appropriate ways of responding to malfunctions and emergency situations in daily watchkeeping operations
- identifying methods and procedures needed to implement watchkeeping duties on commercial vessels
- identifying, interpreting and processing numerical and graphical information required to undertake watchkeeping duties in routine and emergency situations
- reading and interpreting 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, performance criteria and range of conditions 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
- general layout of tankers
- 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 onboard ship
- procedures for dealing with malfunctions and emergencies
- relevant sections of maritime regulations, codes and conventions related to the watchkeeper responsibilities on tankers and gas carriers
- rudder and propeller control and vessel manoeuvring characteristics
- sections of International Maritime Organization (IMO), Standards of Training Certification and 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
- terminology relating to the structure, capacities and operations of various types of tankers and gas carriers
- types of ships and key features of ships
- watch handover procedures
- WHS/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 satisfy the National Vocational Education and Training Regulator (NVR)/Australian Quality Training Framework (AQTF) standards.

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.

Assessment must occur in workplace operational situations or where these are not available, in simulated workplace operational situations or an industry-approved marine operations site that replicates workplace conditions.

Resources for assessment must include access to:

- relevant documentation such as legislation, regulations, codes of practice, workplace procedures and operational manuals
- technical reference library with current publications on commercial shipping
- tools, equipment, machinery, materials and personal protective equipment currently used in industry.

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

Links

Companion Volume implementation guides are found in VETNet -

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