



Australian Government

Assessment Requirements for MARC051 Operate deck machinery and steering gear on a vessel up to 80 metres

Release: 1

Assessment Requirements for MARC051 Operate deck machinery and steering gear on a vessel up to 80 metres

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:

- applying instructions on the operation of steering gear and deck machinery
- communicating effectively with others
- completing required records relating to the operation of steering gear and deck machinery
- following work schedules in accordance with organisational instructions and safety management system (SMS)
- initiating and operating emergency steering systems
- recognising faulty equipment and taking appropriate action
- recognising routine hazards and problems while operating steering gear and deck machinery
- selecting and using relevant tools and equipment
- working safely and collaboratively with others when operating and maintaining deck machinery and steering gear.

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:

- basic principles of hydraulics
- communication techniques and signals needed during the operation of steering gear and deck machinery on vessels less than 80 metres
- principal features and operating characteristics of steering gear and deck machinery used on vessels less than 80 metres
- problems related to the operation of steering gear and deck machinery and appropriate actions and solutions
- procedures for checking and inspecting steering gear and deck machinery used on vessels less than 80 metres
- procedures for the safe operation of steering gear and deck machinery
- procedures for, and operation of, emergency steering systems
- records that must be maintained on a vessel less than 80 metres
- relevant state and territory maritime work health and safety (WHS)/occupational health and

- safety (OHS) and pollution control regulations and policies
- safety, environmental and hazard control precautions and procedures relevant to the operation of steering gear and deck machinery.

Assessment Conditions

Assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

As a minimum, assessment must satisfy applicable regulatory requirements, which include requirements in 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:

- a commercial vessel greater than or equal to 12 metres in length or realistic simulated workplace
- applicable documentation, such as legislation, regulations, codes of practice, workplace procedures and operational manuals
- tools, equipment, machinery and materials currently used in industry, including:
 - basic hydraulic systems
 - emergency steering gear
 - personal protective equipment (PPE)
 - winch or windlass or capstan.

Links

Companion Volume implementation guide can be found in VetNet -

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