



Australian Government

Assessment Requirements for MARK011 Manoeuvre the ship

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:

- manoeuvring a ship:
 - in bad weather
 - in heavy swell
 - for the rescue of person overboard
 - in shallow water
 - recognising emergency situations
 - through coming to and leaving a mooring
 - to and from anchor
- operations, including the following:
 - handling a disabled or partially disabled ship
 - implementing anchoring and berthing procedures
 - issuing helm and engine orders
 - maintaining situational awareness
- selecting suitable mode of steering, including:
 - automatic pilot
 - emergency steering
 - manual steering.

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:

- communication techniques with the following:
 - bridge personnel and berthing stations
 - engine room
 - helmsman
 - tugs and pilot
 - vessel traffic services (VTS)

- effects of deadweight, draught, trim, speed and under-keel clearance on turning circles and stopping distances
- effects on ship handling of wind, currents and bottom topography
- features of a ship that relate to its handling characteristics
- manoeuvring and engine characteristics for various ships
- manoeuvring problems for ships and appropriate actions and solutions
- manoeuvring procedures in and near traffic separation schemes and ship traffic service areas
- methods for controlling ship speed and direction
- operational environment, including:
 - designated anchorages
 - designated shipping areas
 - head reach
 - heavy traffic areas
 - ice
 - marine park areas
 - safe water
 - shallow and restricted waters
 - stopping distances
 - tide
 - traffic separation zones
 - weather
- procedures and manoeuvres for the rescue of person overboard
- procedures for turning a ship in various situations
- proper procedures for anchoring and mooring
- safe operating limits of propulsion and power systems, and steering equipment
- squat, shallow water, interaction and similar effects on ship handling
- 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
- tools, equipment, machinery, materials and relevant personal protective equipment (PPE) currently used in industry.

Links

Companion Volume implementation guide can be found in VetNet -

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