



Australian Government

**Assessment Requirements for MARK008
Manoeuvre a vessel up to 24 metres within
Near Coastal waters**

Release: 1

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Modification History

Release 1. New unit of competency. Licensing/regulatory information has been incorporated in accordance with Regulatory requirements. Assessment Requirements have been strengthened in accordance with Regulatory requirements.

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:

- anchoring a vessel
- determining required action for a range of emergency situations
- handling a disabled or partially disabled vessel
- issuing helm and engine orders
- manoeuvring a vessel astern
- manoeuvring a vessel to:
 - approach an anchorage
 - berth and leave a berth
 - come to and leave a mooring
 - safely launch and retrieve boats or life rafts
 - turn short around
 - turn across the tide or across the wind
- maintaining situational awareness, including:
 - vessels in the vicinity
 - own vessel position in relation to shallow water and other obstructions
 - weather conditions that may affect the manoeuvre
- operating secondary or emergency means of steering
- rescuing a person overboard, including:
 - manoeuvring to retrieve person overboard
 - Williamson turn
- manoeuvring a vessel in adverse weather conditions, including:
 - steering a course to minimise the effect of wind and sea
 - reducing speed
 - seeking shelter
- towing and being towed
- undertaking preparations for towing.

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:

- appropriate reports to be made for authorities when towing
- deployment and use of sea anchor to keep vessel head to sea
- effects of interaction with passing or moored vessels
- effects of trim and displacement on the manoeuvring characteristics of a vessel
- factors that could adversely affect vessel safety during operations
- features of a vessel that relate to its handling characteristics, and their effects, including:
 - displacement and planing hulls
 - propellers
 - propulsion units, including:
 - inboard engines
 - inboard-outboard engines
 - jet propulsion
 - outboard engines
 - rudders
- launching procedures for boats or life rafts
- manoeuvring conditions that may affect the safety of the vessel, including:
 - heading to wind and sea to ride out the adverse weather
 - to cross a bar with and against the sea
 - in heavy weather
 - in heavy swell and surf
 - in a narrow channel or shallow water
 - in fog and restricted visibility
- lessening drift and use of oil
- manoeuvring procedures to:
 - assist a vessel or aircraft in search and rescue
 - beach and re-float the vessel
 - position for helicopter evacuation
- manoeuvring procedures in the event of:
 - beaching
 - collision
 - damage to the vessel
 - disabled or partially disabled vessel
 - fire
 - grounding
 - loss of steering gear
 - person overboard

- precautions when manoeuvring or launching boats or life rafts in bad weather
- procedures for towing and being towed
- process and requirement to assist vessels in distress
- preparations for towing, including:
 - crew briefings that include the task at hand and risks to persons on both vessels
 - ensuring appropriate lights and shapes for the tow are available and in working order
 - ensuring means of communication between the two vessels is available
 - ensuring tow ropes are in good condition and of adequate strength for the proposed tow
 - ensuring tow line is of sufficient length to minimise shock loading on tow-line
 - making tow fast to the towing vessel to ensure steerage can be maintained
 - making provision for rapid slipping of the tow in emergency situations
 - preparing messenger ropes for passing tow lines.
- work health and safety (WHS)/occupational health and safety (OHS) requirements and work practices.

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:

- applicable documentation, such as legislation, regulations, codes of practice, safety management system (SMS), workplace procedures and operational manuals
- a commercial vessel ≥ 7.5 m in length
- tools, equipment, machinery, materials and relevant personal protective equipment (PPE) that are currently used in industry.

Links

Companion Volume implementation guides are found in VETNet -

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