



Australian Government

Assessment Requirements for MARK007 Handle a vessel up to 12 metres

Release: 2

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Modification History

Release 2. This is the second release of this unit of competency in the MAR Maritime Training Package.

- Minor statement changes in unit Application
- Minor statement changes in Assessment Conditions.

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
- applying work health and safety (WHS)/occupational health and safety (OHS) requirements and work practices
- handling a disabled or partially disabled vessel
- manoeuvring a vessel to:
 - berth and leave a berth
 - come to and leave a mooring
 - maintain a steady course
 - retrieve a person overboard
 - steer astern
 - turn short around
 - turn a vessel across the tide and across the wind
- maintaining situational awareness
- towing and being towed
- undertaking preparations for towing, including:
 - briefing crew that include the task at hand and risks to persons on both vessels
 - ensuring means of communication between the two vessels is available
 - ensuring tow ropes are in good condition and of adequate strength and length 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
- using clearly, concisely and appropriate standard maritime vocabulary when communicating with personnel.

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:

- adverse weather conditions, including:
 - fog and restricted visibility
 - tropical revolving storms
 - wind and sea conditions that may affect the safety of the vessel
- avoidance of tropical revolving storm activity
- elliptical turn
- features of a vessel that relate to its handling characteristics, and their effects, including:
 - displacement and planing hulls
 - propellers
 - propulsion units, including:
 - jet units
 - inboard engines
 - outboard motors
 - rudders
 - trim and displacement
- manoeuvring in the event of emergencies, including:
 - collision
 - disabled or partially disabled vessel
 - grounding
 - person overboard
- manoeuvring characteristics of small power-driven vessels
- manoeuvring a vessel in the vicinity of large vessels
- manoeuvring to beach and re-float the vessel
- manoeuvring a vessel in adverse weather conditions, including:
 - altering course to minimise the effect of wind and sea
 - berth and leave a berth in various wind and tidal conditions
 - deploying a sea anchor to keep vessel head to sea
 - heading to wind and sea to ride out the adverse weather
 - reduction of speed
 - seeking shelter
- procedures for towing and being towed
- stability of a small vessel and stability terms

- techniques for crossing a coastal bar with and against the sea
- techniques for handling a vessel in heavy swell and surf
- trim and displacement
- use of a sea anchor
- Williamson turn
- WHS/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, safety management system (SMS), workplace procedures, operational manuals and maritime publications and procedures relating to emergency response
- a vessel greater than or equal to 5.0 m in length
- tools, equipment, machinery, materials and relevant personal protective equipment (PPE) 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>