



Australian Government

Assessment Requirements for MARK004 Perform basic vessel manoeuvres

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 and performance criteria on at least one occasion and include:

- handling a disabled or partially disabled vessel
- implementing anchoring and berthing procedures
- issuing helm and engine orders
- maintaining situational awareness
- manoeuvring a vessel:
 - in bad weather
 - in heavy swell
 - through coming to and leaving a mooring
- manoeuvring for the rescue of person overboard
- manoeuvring in shallow water
- recognising emergency situations.

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:

- effects of deadweight, draught, trim, speed and under-keel clearance on turning circles and stopping distances
- effects of wind and current on vessel handling
- effects on vessel handling of wind, currents and bottom topography
- features of a vessel that relate to its handling characteristics
- manoeuvring and engine characteristics for various vessels more than 500 gross tonnage
- manoeuvring problems for vessels more than 500 gross tonnage and appropriate action and solutions
- manoeuvring procedures in and near traffic separation schemes and vessel traffic service areas
- methods for controlling vessel speed and direction
- one's surroundings and changes to these surroundings
- procedures for the rescue of person overboard
- procedures for turning a vessel in various situations

- proper procedures for anchoring and mooring
- safe operating limits of propulsion and power systems, and steering equipment
- squat, shallow-water and similar effects on vessel handling
- work health and safety (WHS)/occupational health and safety (OHS) requirements and work practices.

Assessment Conditions

Assessors must satisfy National Vocational Education and Training Regulator (NVR)/Australian Quality Training Framework (AQTF) assessor requirements.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

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.

Resources for assessment must include access to:

- tools, equipment, machinery, materials and personal protective equipment currently used in industry
- applicable documentation such as legislation, regulations, codes of practice, workplace procedures and operational manuals
- range of relevant exercises, case studies and/or simulations.

Links

Companion Volume implementation guides are found in VETNet -

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