



Australian Government

Assessment Requirements for MARN020 Manage seaworthiness of a vessel up to 100 metres

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:

- appropriately using bilge and other pumping arrangements
- assessing damage control measures
- completing required records
- establishing procedures for restoring or managing weather tight and watertight integrity during an emergency
- reading and interpreting vessel specifications, drawings and operational manuals.

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:

- bilge pumping arrangements
- different vessel types
- effects of adding and removing weights, water on deck, slack tanks, rolling period, stiff and tender vessel, and additions or alterations to vessels
- principal parts of vessel and their various functions
- structural components, including:
 - design characteristics attributing to watertight integrity
 - principal components of vessel structure
 - structural arrangements to restrain fires
 - watertight and collision bulkheads
- weather tight and watertight integrity of vessel, including:
 - closing openings
 - ensuring passenger distribution does not exceed allowed limits
 - ensuring stores, cargo and equipment are properly stowed and lashed
 - maintaining stability condition within approved limits
 - methods for testing tanks and other watertight openings
- 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:

- a commercial vessel greater than or equal to 12 metres in length
- applicable documentation, such as legislation, regulations, codes of practice, workplace procedures and operational manuals
- tools, equipment, machinery, materials and 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>