



**Australian Government**

# **Assessment Requirements for MARN005 Maintain seaworthiness of a vessel**

**Release: 1**

# Assessment Requirements for MARN005 Maintain seaworthiness of a vessel

## 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:

- completing required records
- reading and interpreting vessel specifications and drawings
- taking actions to ensure and maintain the weather tight and watertight integrity of vessel.

## 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:

- application of appropriate safety, environment and hazard control procedures
- characteristics of stress and the principal stresses acting on a vessel
- corrosion control methods
- damage control measures that may be required to maintain the integrity of the hull
- fundamental actions to be taken in the event of partial loss of intact buoyancy
- fundamentals of watertight integrity
- maintenance procedures contained in the safety management system
- one's surroundings and changes to these surroundings
- principal materials used in the construction of a vessel
- principal structured members and layout of a vessel and the proper names for various parts
- principles and procedures to ensure the watertight integrity of vessel hull
- procedures for checking and inspecting vessel seaworthiness
- stability, trim and stress tables, diagrams and stress calculating equipment
- 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>