



Australian Government

**Assessment Requirements for MARF017
Follow work health and safety, and
emergency procedures during mooring and
unmooring activities**

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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, performance criteria and range of conditions on at least one occasion and include:

- communicating effectively with other personnel when mooring and unmooring a vessel
- handling rope appropriately and correctly:
 - storing and caring for ropes and lines
 - tying knots such as bowline, reef knot, overhand knot, figure of eight knot, sheet bends, clove hitch, splicing and whipping, round turn two half hitches
 - applying a chain stopper to a wire rope
 - heaving on a line in collaboration with other members of a mooring team
 - applying a stopper to a synthetic fibre rope
 - applying a chain stopper to a natural cordage rope
 - attaching a line to a bollard or bitt with all lines in correct order such as up through the eye (dipping)
 - flaking down a rope
 - forming a bight
- identifying and correctly using:
 - personal protective equipment (PPE)
 - various types of ropes, steel wires and mooring equipment
- interpreting and following work health and safety (WHS)/occupational health and safety (OHS), and safety management procedures for mooring and unmooring operations, including safety instructions and precautions
- recognising dangers and hazards before and during mooring and unmooring operations, and taking appropriate action to report and rectify them
- recognising safety-related problems that may occur during mooring and unmooring operations, and taking appropriate action to report and resolve these problems
- recording and reporting safety incidents and emergencies
- reporting and/or rectifying hazards, safety incidents or emergencies promptly
- responding to individual differences and applying acceptable behaviour when working with others
- working safely as a member of a mooring and unmooring team

- working systematically with required attention to detail and safety requirements.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- dangers associated with mooring and unmooring duties:
 - being hit by a line being thrown down from a vessel
 - stepping inside the bight of a line
 - being struck by a parting line
 - mixing rings and wire rope
 - falling off the edge of the wharf into the water
 - back strain from carrying a line, heaving on a line
 - 'snap back' in the event of a line breaking
 - trip hazards such as crane lines
- hazards and safety-related problems that may occur during mooring and unmooring operations, and appropriate preventative and remedial action and solutions
- individual differences and acceptable behaviour when working with others
- legal rights and responsibilities of management, crew and others
- methods for safely mooring and unmooring ocean-going vessels
- procedures for calculating stresses on lifting gear used in cargo handling operations
- relevant documentation and records:
 - mooring and unmooring plans, procedures, checklists and instructions
 - relevant sections of maritime regulations concerning mooring and unmooring operations
 - rope and equipment manufacturer instructions and procedures
 - safety instructions and procedures
 - instructions of relevant maritime authorities
 - reports and records of safety incidents or emergencies
- relevant port and vessel safety and security requirements and regulations
- relevant WHS/OHS legislation, codes of practice, policies and procedures
- reporting requirements for safety incidents or emergencies that occur during mooring or unmooring operations
- safety drills and equipment used for lines launches
- safety instructions for using ropes and other equipment during mooring and unmooring operations
- safety management procedures for mooring and unmooring ocean-going vessels
- use, type and application of PPE required when undertaking mooring and unmooring activities.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

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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.

Assessment must occur in workplace operational situations or where this is not available, in simulated workplace operational situations or an industry-approved marine operations site that replicates workplace conditions.

Resources for assessment include access to:

- a range of relevant exercises, case studies and/or other simulated practical and knowledge assessments
- relevant documentation including workplace procedures, regulations, codes of practice and operation manuals
- tools, equipment currently used in industry including:
 - VHF radios
 - ropes and heaving lines provided by shore
 - shackles
 - wires
- PPE including:
 - personal life vest
 - reflective clothing
 - safety footwear
 - helmet
 - vest
 - suitable gloves
 - protective safety glasses.

Practical assessment should be combined with targeted questioning to assess required knowledge. Performance should be demonstrated consistently over time and in a suitable range of contexts.

Links

Companion Volume implementation guides are found in VETNet -

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