



Australian Government

Assessment Requirements for MARC061 Conduct mooring operations using mechanical equipment

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

- applying relevant work health and safety requirements and workplace procedures
- communicating with personnel involved in mooring operations
- following work instructions and safety procedures
- operating mechanical mooring equipment in accordance with manufactures instructions
- recognising hazards and risks associated with mooring equipment in accordance with workplace procedures.

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:

- factors that affect mooring equipment, including the effects of wind, weather, tides, sea conditions, currents, draft changes, and surges from passing vessels on mooring operations
- hazards and risks associated with mechanical mooring equipment including:
 - ‘snap back’ when a line breaks
 - line tension and load on line of mooring lines
 - loose personal wear
 - man, overboard or person falls in water
 - stepping inside the bight of a line
- operation, features, and application of mechanical mooring equipment including:
 - capstan
 - hydraulic mooring system
 - integrated capstans
 - magnetic mooring systems
 - quick release systems
 - shore tension system

- personal protective equipment (PPE) required for operation of mooring equipment
- relevant manufacturer instructions relating to use of machinery, including specifications on equipment capability and limitations
- types of berth and terminals where mechanical mooring and unmooring are applied
- types of mechanical mooring equipment and techniques for using equipment including safety requirements
- work health and safety requirements and workplace procedures
- workplace procedures including relevant documentation and records.

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.

Assessment must occur in workplace operational situations, and where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Resources for assessment must include access to:

- applicable documentation such as workplace procedures, manufacturers specifications and operational manuals
- tools, equipment, machinery, materials, and personal protective equipment (PPE) currently used to conduct mooring operations which uses mechanical equipment

Links

Companion Volume Implementation Guides are found in VETNet -

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