



Australian Government

MARB025 Maintain mooring equipment

Release: 1

MARB025 Maintain mooring equipment

Modification History

Release 1. New unit of competency.

Application

This unit involves the skills and knowledge required to maintain mooring equipment. It includes identifying faulty equipment, working safely, carrying out maintenance and completing necessary documentation.

This unit applies to individuals working in the maritime industry who have responsibility for the operational maintenance of mooring equipment.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

B – Equipment Checking and Maintenance

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS		PERFORMANCE CRITERIA	
Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
1 Prepare to carry out maintenance	1.1	Inspections are conducted to determine extent of maintenance required according to organisational procedures	
	1.2	Tasks are planned and sequenced in conjunction with others involved in or affected by maintenance work and task prioritisation is determined	
	1.3	Relevant tools and equipment required to undertake	

		maintenance are identified and assembled
	1.4	Actual and potential hazards are identified and personal protective equipment (PPE) is selected and assembled to minimise risks
2 Carry out maintenance	2.1	Maintenance is carried out according to manufacturer procedures and specifications, and organisational procedures
	2.2	Equipment that is unable to be repaired or requires specialised maintenance is reported to relevant personnel
	2.3	Equipment is checked and tested according to organisational procedures to determine whether it functions correctly
3 Complete maintenance	3.1	Equipment is suitably stored where it is not likely to suffer deterioration or damage
	3.2	Required documentation is completed and processed according to organisational procedures
	3.3	Appropriate personnel are notified of completion of maintenance and details are documented according to organisational procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Mooring equipment includes:	• anchors • bilges • buoys • chains • hooks • marine fenders • mooring cock • mooring rollers • quick release systems
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	• radios • ropes and lines • shackles • sheaves • stoppers • towing hook • wires
Personal protective equipment includes:	• eye protection/glasses or protective shield • helmet • personal life vest • radiant heat protection/coat • reflective clothing • safety footwear • suitable gloves • vest

Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MARB025 Maintain mooring equipment

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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 (WHS)/occupational health and safety (OHS) requirements and work practices
- applying decision-making techniques in determining extent of damage and selecting the type of maintenance required
- communicating effectively with others and working as part of a team
- completing documentation related to maintenance of mooring equipment
- following procedures to maintain equipment
- identifying faults and problems related to mooring equipment
- initiating timely action in response to defects or damage
- reading and interpreting instructions, procedures and information relevant to mooring equipment maintenance
- selecting and using required personal protective equipment (PPE) that conforms to industry and WHS/OHS standards.

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:

- decision-making techniques
- organisational policies and procedures related to maintaining mooring equipment
- PPE required when maintaining mooring equipment
- recommended manufacturer instructions for equipment repair
- relevant regulations and codes of practice related to maintaining equipment
- requirements for completing relevant documentation
- typical faults that can occur with mooring equipment and related action that should be taken to repair, isolate, replace, report and record faulty equipment
- WHS/OHS requirements and work practices.

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.

As a minimum, assessment must satisfy applicable regulatory requirements, which include requirements in 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 or where this is not available, in simulated workplace operational situations or an industry-approved marine operations sites that replicate 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, operation manuals, and manufacturer instructions and procedures
- tools, equipment, materials and PPE specified in the range of conditions and currently used in industry.

Links

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