



Australian Government

MARN008 Apply seamanship skills aboard a vessel up to 12 metres

Release: 2

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Modification History

Release 2. This is the second release of this unit of competency in the MAR Maritime Training Package.

- Minor statement changes in unit Application
- Minor statement changes in Assessment Conditions.

Release 1. New unit of competency. Licensing/regulatory information has been incorporated in accordance with Regulatory requirements. Assessment Requirements have been strengthened in accordance with Regulatory requirements.

Application

This unit involves the skills and knowledge required to apply practical seamanship skills and techniques as part of work duties aboard a vessel up to 12 m in length.

This unit applies to people working in the maritime industry in the capacity of:

- Coxswain Grade 1
- Coxswain Grade 2
- Coxswains Grade 3.

Licensing/Regulatory Information

Legislative and regulatory requirements are applicable to this unit.

This unit is one of the requirements to obtain Australian Maritime Safety Authority (AMSA) certification as a Coxswain Grade 3 NC, Coxswain Grade 2 NC and Coxswain Grade 1 NC as specified in Marine Order 505.

Seafarers seeking certification should check with AMSA.

Pre-requisite Unit

Not Applicable.

Competency Field

N – Seamanship

Unit Sector

Not Applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Use and maintain ropes

- 1.1 Rope types and common areas of use are correctly identified
- 1.2 Ropes are checked for wear and repairs are undertaken according to manufacturer guidelines
- 1.3 Ropes are coiled and stowed correctly
- 1.4 Knots and hitches are tied neatly and securely, and are used according to their correct application
- 1.5 Ropes are spliced neatly and securely according to their correct application
- 1.6 Rope ends are whipped where appropriate to maintain good condition

2 Secure vessel at anchor

- 2.1 Prior to letting go, anchor and equipment are prepared
- 2.2 Quantity of anchor cable run out or recovered is appropriate to the depth of water, weather and sea conditions, and tidal range in area of operation
- 2.3 During operation, control of cable is maintained within safe operating limits
- 2.4 Degree to which anchor and equipment are secured on completion of anchoring operations is appropriate to forecast conditions
- 2.5 During all operations, anchoring area is kept free of loose ropes, wires and debris

3 Secure vessel at a berth

- 3.1 At all times, mooring lines and associated equipment are handled safely
- 3.2 Throughout operations, mooring area is kept free of loose ropes, wires and debris

	3.3	Tension on ropes is maintained at an appropriate level for the stage and nature of the operation
4 Check condition and seaworthiness of vessel	4.1	Coverage and frequency of checks and inspections on vessel seaworthiness are undertaken according to workplace procedures and organisational safety management system
	4.2	Watertight integrity is checked and appropriate action is taken to prepare for prevailing and forecast weather and sea conditions
	4.3	Degree to which vessel is secured is appropriate to prevailing and forecast conditions
	4.4	Irregularities are identified and appropriate action is taken to rectify the situation
	4.5	Irregularities beyond ability to rectify are reported in time to enable remedial action to be taken
	4.6	Reports of condition are completed according to workplace procedures
5 Conduct refuelling operations	5.1	All personal protective equipment (PPE) is accessed and used
	5.2	Safety boundary for the refuelling process is established
	5.3	Spill prevention systems are correctly deployed
	5.4	Refuelling operations are performed safely and according to organisational safety management system

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.

Unit Mapping Information

This unit replaces and is equivalent to MARN002 Apply seamanship skills aboard a vessel up to 12 metres.

Links

Companion Volume Implementation Guides are found in VETNet -

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