



Australian Government

AURRGA003 Moor motor-driven vessels

Release: 1

AURRGA003 Moor motor-driven vessels

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to moor and dock a motor-driven vessel to or from a dockside or swing mooring. It involves preparing for the task, conducting a vessel and equipment safety inspection, moving the vessel from its mooring into a safe area of water, and returning the vessel to its mooring.

It applies to those working in the marine service and repair industry. The vessels are those up to 19 metres in length.

Licensing, legislative, regulatory or certification requirements may apply to this unit in some jurisdictions. Users are advised to check with the relevant regulatory authority.

Competency Field

Marine

Unit Sector

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
1. Prepare vessel	1.1 Job requirements are determined from workplace instructions 1.2 Tools and equipment, including personal flotation device, are selected and checked for serviceability 1.3 Weather, tides and mooring site are checked for safe mooring conditions 1.4 Hazards associated with the work are identified and risks are

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	managed
2. Conduct safety inspection prior to moving off	2.1 Vessel safety equipment is audited 2.2 Vessel systems and components are checked for seaworthiness, and compliance with manufacturer specifications and applicable state and territory regulations 2.3 Engine is started and controls are checked for seaworthiness and compliance with manufacturer specifications 2.4 Systems and components that fail the vessel check are recorded and supervisor and owner are notified
3. Move off mooring	3.1 Lines are removed and stowed using suitable knots 3.2 Vessel is <i>manoeuvred from mooring</i> according to <i>safety requirements</i> 3.3 Vessel is moved from mooring to safe area in water according to state and territory marine safety laws
4. Dock and moor vessel	4.1 Mooring site appropriate for vessel and attachment equipment are selected 4.2 Attachment points on mooring dock and vessel are located and checked 4.3 Vessel is manoeuvred to mooring site according to state and territory marine safety laws 4.4 Vessel is aligned to mooring site and attachment equipment is secured according to state and territory marine safety laws 4.5 Vessel is secured to mooring site using appropriate dock lines, knots and buffering equipment according to state and territory marine safety laws

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance and are not explicit in the performance criteria.

Skills	Description
Learning skills to:	locate appropriate sources of information efficiently.
Reading skills to:	interpret safe operating procedures for vessel mooring equipment from workplace and manufacturer literature

Skills	Description
	interpret weather and tide information.
Writing skills to:	legibly and accurately fill out workplace documentation when reporting safety inspection findings.
Oral communication skills to:	- clarify instructions - report safety inspection findings.
Numeracy skills to:	interpret instrument gauges to determine vessel speed.
Planning and organising skills to:	plan own work requirements and prioritise actions to achieve required outcomes and ensure tasks are completed within workplace timeframes.
Problem solving skills to:	assess different launching and recovery situations and determine safest method of work.

Range of Conditions

This section specifies work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Bold italicised wording, if used in the performance criteria, is detailed below.

<i>Manoeuvring from mooring</i> must take into account:	- currents - tides - weather conditions - other vessels.
<i>Safety requirements</i> must include:	- work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for: - selecting and using personal protective equipment (PPE), including personal flotation devices - following state or territory legislation, regulations and marine safety laws relating to operating a vessel in an estuary or seaway.

Unit Mapping Information

Equivalent to AURRGA3003 Moor a motor-driven vessel

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

Assessment Requirements for AURRGA003 Moor motor-driven vessels

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Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standards defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- moor two different motor-driven vessels of up to 19 metres in length, in which the work must involve mooring vessel to, off and away from:
 - a swing mooring
 - a dockside.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to mooring motor-driven vessels, including procedures for:
 - selecting and using personal protective equipment (PPE), including personal flotation devices
 - following state or territory legislation, regulations and marine safety laws relating to operating a vessel in an estuary or seaway, including:
 - holding a boat driver licence
 - speed restrictions
 - navigation rules
 - boat capacity
- safety inspection procedures, including inspection procedures for:
 - vessel safety equipment, including:
 - life jackets
 - anchors
 - bailer or fire bucket and lanyard

- bilge pump
- compass
- distress flares
- emergency position indicating radio beacon (EPIRB)
- fire extinguisher
- map
- marine radio
- paddles and oars
- safety and capacity labels
- sound signals
- drinking water
- waterproof torch
- hulls and fittings, including mooring fittings
- inspection procedures for mooring sites, including:
 - rope and chain condition
 - shackle condition
 - buoy condition
 - wharf or pier condition
- knot types for a variety of situations, including dock, fixed pier, jetty, wharf, concrete pontoon and plastic pontoon
- types and application of swing moorings, including single point moorings and twin moorings
- procedures for mooring a vessel, including manoeuvring techniques to position vessel according to tides and currents.

Assessment Conditions

Assessors must satisfy NVR/AQTF assessor requirements.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessment must include direct observation of tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the motor-driven vessels that they have moored, e.g. photographs of moored vessels.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- moorings for vessels, including a swing mooring and a dockside mooring
- two different motor-driven vessels up to 19 metres in length requiring mooring
- state and territory marine safety laws

- tools, equipment and materials appropriate for inspecting and mooring motor-driven vessels.

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