



Australian Government

Assessment Requirements for AURRTA006 Water test vessels

Release: 1

Assessment Requirements for AURRTA006 Water test vessels

Modification History

Release	Comment
Release 1	New unit of competency.

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:

- water test two different vessels with engines, propulsion units and hull fittings, in which the work must involve water testing navigation lights and safety equipment.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to water testing 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
- pre-launch 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
- navigation lights
- steering system
- fuel system
- factors influencing vessel performance, including:
 - basic hull design and hydrodynamics
 - hull type, including:
 - planing
 - displacement
 - single and multi-hull
 - hull fittings
 - engine, including:
 - type
 - size
 - single and multi-cylinder
 - engine and hull match
 - engine propeller match
 - vessel, including:
 - type
 - size
 - age
- modifications and additions to existing vessel
 - water testing procedures for vessels, including water testing engine performance, propulsion units, and hull and hull fittings, including:
 - testing engine performance by operating engine through full operating range
 - testing propulsion unit by operating through full range of speeds and directions
 - testing hull and hull fittings by operating through full range of performance conditions
 - testing to establish that current configuration is performing to manufacturer specifications
- procedures for test report compilation and presentation.

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 vessels that they have water tested, e.g. repair orders.

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

The following resources must be made available:

- appropriate waterway for water testing a vessel
- workplace instructions
- manufacturer vessel specifications
- state and territory marine safety laws
- two different vessels requiring water testing
- tools, testing equipment and materials appropriate for water testing vessels.

Links

Companion Volume implementation guides are found in VETNet -

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

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