



Australian Government

Assessment Requirements for AURRTX001 Inspect and service marine outboard and stern drive transmissions

Release: 1

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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:

- inspect and service two different marine transmissions, including:
 - one outboard transmission
 - one stern drive transmission.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to inspecting and servicing marine outboard and stern drive transmissions, including procedures for identifying hazards and controlling risks associated with working with rotating components
- environmental requirements, including procedures for trapping, storing and disposing of fluids released from transmissions
- identification and function of outboard and stern drive transmission components, including:
 - steering
 - trim and tilt
 - gear shift control, including:
 - mechanical
 - electrical
 - electrohydraulic
 - clutch system
 - cooling system

- types and applications of lubricants and lubricating fluids for outboard and stern drive transmissions
- inspection procedures for outboard and stern drive transmissions, including oil and fluid condition and leaks
- service and adjustment procedures for outboard and stern drive transmissions, including:
 - lubricant replacement
 - trim and tilt
 - steering system
 - screens and pick-ups
 - control system with forward, neutral and reverse
 - cooling system
- post-service testing procedures for outboard and stern drive transmissions.

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 marine outboard and stern drive transmissions that they have worked on, 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:

- marine repair workplace or simulated workplace
- workplace instructions
- manufacturer outboard and stern drive transmission specifications
- two different marine transmissions specified in the performance evidence and requiring servicing
- tools, equipment and materials appropriate for inspecting and servicing marine outboard and stern drive transmissions.

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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