



Australian Government

Assessment Requirements for AURRTQ005 Install marine jet drive propulsion systems

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:

- install and test prior to placing in service two different marine jet drive propulsion systems.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to installing jet drive propulsion systems, including lifting and supporting procedures for jet drive propulsion systems
- construction and operating principles of jet drive propulsion systems, including:
 - types of jet pumps, including:
 - centrifugal
 - axial flow
 - methods of reversing thrust, including:
 - cable-operated buckets
 - hydraulically-operated buckets
 - electrically-operated buckets
 - gearboxes
- procedures for installing marine jet drive propulsion systems in vessels
- procedures for testing the installation of marine jet drive propulsion systems
- commissioning procedures for marine jet drive propulsion systems.

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 jet drive propulsion systems they have installed in vessels, 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:

- workplace location or simulated workplace
- workplace instructions
- manufacturer jet drive propulsion system specifications
- two different vessels requiring installation of jet drive propulsion systems
- tools, equipment and materials appropriate for installing marine jet drive propulsion systems.

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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