



Australian Government

Assessment Requirements for AURTTB004 Inspect and service air braking 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:

- inspect and service the air braking systems of two different vehicles or machinery, including:
 - one air disc braking system
 - one air drum braking system.

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 air braking systems, including procedures for:
 - managing and controlling brake dust
 - working with stored energy
- environmental requirements, including procedures for trapping, storing and disposing of brake dust released from air braking systems
- identification and function of major air braking components, including:
 - air compressor, filters, air drier, receivers and tanks
 - drive belts
 - spring brake chambers, hoses and adjusters
 - discs, pads, drums and linings
 - brake valves
 - brake lights
 - trailer brake valves
- basic operation of air braking systems, including:

- mechanical
- pneumatic
- inspection procedures for air braking systems, including:
 - component wear analysis
 - air system assessment
- service and adjustment procedures for air braking systems, including:
 - brake adjustment
 - parking and emergency brake adjustment
- post-service testing procedures for air braking systems, including static and dynamic testing.

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 air braking systems 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:

- automotive repair workplace or simulated workplace
- workplace instructions
- manufacturer air braking system specifications
- two different vehicles or machinery with air disc and air drum braking systems requiring servicing
- tools, equipment and materials appropriate for inspecting and servicing air braking 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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