



**Australian Government**

# **Assessment Requirements for AURTTB001 Inspect and service braking systems**

**Release: 1**

# Assessment Requirements for AURTTB001 Inspect and service braking systems

## 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 braking systems of two different vehicles or machinery, including:
  - disc braking systems
  - drum braking 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 inspecting and servicing braking systems, including procedures for:
  - lifting and supporting vehicles or machinery
  - managing and controlling brake dust and brake fluids
- environmental requirements, including procedures for trapping, storing and disposing of brake dust and brake fluid released from braking systems
- identification and function of major braking components, including:
  - discs, pads and calipers
  - drums, brake linings, wheel cylinders and hydraulic components
  - master cylinder
  - hydraulic and vacuum brake booster
  - diesel engine vacuum brake booster pump
  - electric and manual park braking systems
- basic operation of braking systems, including:
  - hydraulic braking systems

- mechanical braking systems
- air over hydraulic systems
- air braking systems
- types, applications and testing of brake hydraulic fluids
- inspection procedures for braking system components, including:
  - component wear analysis
  - brake fluid testing
- service and adjustment procedures for braking systems, including:
  - brake bleeding
  - brake adjustment
  - park brake adjustment
- post-service testing procedures for 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 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 braking system specifications
- two different vehicles or machinery with disc and drum braking systems requiring servicing
- tools, equipment and materials appropriate for inspecting and servicing 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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