



**Australian Government**

# **Assessment Requirements for AURHTB004 Overhaul air braking system components**

**Release: 1**

# Assessment Requirements for AURHTB004 Overhaul air braking system components

## 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:

- overhaul the following air braking system components:
  - two different wheel end disc and drum brake components
  - two different air system components.

## Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- workplace health and safety (WHS) and occupational health and safety (OHS) requirements relating to overhauling air braking system components, including procedures for:
  - operating specialised air braking system component overhaul tools, equipment and machinery
  - using chemicals and toxic substances
  - operating manual and mechanical lifting equipment
  - working with stored energy
- environmental requirements, including procedures for trapping, storing and disposing of oils and fluids released from air braking systems
- types, characteristics and operating principles of air braking systems and associated components
- air braking system overhaul procedures, including:
  - methods for cleaning and preparing braking system components for overhaul
  - braking system component dismantling procedures

- braking system component inspection, measuring and evaluation procedures, including methods for measuring and calculating tolerances and clearances
- braking system component repair and adjustment procedures, including:
  - brake actuators
  - air compressors
  - air storage and valves
  - disc and drum wheel end components
  - slack adjusters
- procedures for tolerance measuring and calculating and adjusting components
- post-overhaul testing procedures for braking system components.

## 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 and components 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 and component specifications
- air braking system components specified in the performance evidence and requiring overhaul
- tools, equipment and materials appropriate for overhauling and adjusting air braking system components.

## 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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