



**Australian Government**

**Assessment Requirements for AURHTY001  
Inspect and service mechanical connections  
of heavy vehicles and trailers over 4.5  
tonnes**

# Assessment Requirements for AURHTY001 Inspect and service mechanical connections of heavy vehicles and trailers over 4.5 tonnes

## 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 standard defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- inspect and service the mechanical connections of two different heavy vehicles and their trailers, including five of the following:
  - fifth wheel assembly
  - king pins and upper couplers
  - pintle hook and drawbar
  - landing gear systems
  - electrical connections
  - pneumatic connections.

## 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 mechanical connections of heavy vehicles and trailers, including procedures for:
  - lifting and supporting heavy vehicles and trailers
  - safely manoeuvring heavy vehicles and trailers
- environmental requirements, including procedures for trapping, storing and disposing of lubricants released from mechanical connections
- identification and function of mechanical connections of heavy vehicles and trailers over 4.5 tonnes, including:
  - fifth wheel assembly

- king pins and upper couplers
- pintle hook and drawbars
- landing gear systems
- electrical connections
- pneumatic connections
- types and applications of mechanical connection lubricants
- inspection procedures for mechanical connections of heavy vehicles and trailers over 4.5 tonnes
- service and adjustment procedures for mechanical connections of heavy vehicles and trailers over 4.5 tonnes
- post-service testing procedures for mechanical connections of heavy vehicles and trailers over 4.5 tonnes.

## 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 heavy vehicles and trailers over 4.5 tonnes 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 mechanical connection specifications
- two different heavy vehicles and trailers over 4.5 tonnes with mechanical connections requiring servicing
- lubricating equipment for mechanical connections of heavy vehicles and trailers over 4.5 tonnes
- tools, equipment and materials appropriate for inspecting and servicing mechanical connections of heavy vehicles and trailers over 4.5 tonnes.

## 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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