



**Australian Government**

# **Assessment Requirements for AURTTD002 Inspect and service steering systems**

**Release: 1**

# Assessment Requirements for AURTTD002 Inspect and service steering 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 steering systems of two different vehicles or machinery, including one of the following:
  - manual steering
  - electric power assisted steering
  - hydraulic power assisted steering
  - full hydraulic steering.

## 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 steering systems, including procedures for isolating and stabilising vehicles or machines
- environmental requirements, including procedures for trapping, storing and disposing of oil and fluid released from steering systems
- identification, function and basic operation of steering systems, including:
  - manual steering
  - electric power assisted
  - hydraulic power assisted steering
  - full hydraulic steering
- identification and function of major steering components
- types and applications of lubricants and hydraulic fluids
- inspection procedures for steering systems, including:

- component wear analysis
- oil and fluid leaks
- physical damage
- service and adjustment procedures for steering systems, including:
  - adjusting and replenishing oil and fluid levels as required
  - lubricating components
- post-service testing procedures of steering 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 steering 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 steering system specifications
- two different vehicles or machinery with the steering systems specified in the performance evidence and requiring servicing
- tools, equipment and materials appropriate for inspecting and servicing steering 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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