



**Australian Government**

# **Assessment Requirements for AURTTX003 Inspect and service automatic transmissions**

**Release: 1**

# Assessment Requirements for AURTTX003 Inspect and service automatic transmissions

## 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 automatic transmissions of two different vehicles or machinery, including:
  - replacing transmission fluid and filter
  - making transmission adjustments.

## 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 automatic transmissions, including procedures for handling transmission fluids
- environmental requirements, including procedures for trapping, storing and disposing of fluids released from transmissions
- identification and function of automatic transmission components, including:
  - torque converter
  - control valve body
  - housings
  - gear trains
  - bands and clutch packs
  - servos
  - oil pumps
  - electronic controls
  - selector mechanisms

- basic operation of automatic transmission, including:
  - torque converter
  - transaxle
  - longitudinal transmission
- types and applications of transmission fluids
- inspection procedures for automatic transmissions, including:
  - fluid levels and condition
  - fluid leaks
  - internal and external physical condition
  - transmission sensors and controls
- service and adjustment procedures for automatic transmissions, including:
  - replacing transmission fluid and filter
  - checking transmission fluid levels
  - adjusting bands, linkages and sensors as required
- post-service testing procedures for automatic transmissions.

## 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 automatic transmissions 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 automatic transmission specifications
- two different vehicles or machinery with automatic transmissions requiring servicing
- tools, equipment and materials appropriate for inspecting and servicing automatic transmissions.

## 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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