



Australian Government

Assessment Requirements for AURTTX002 Inspect and service manual transmissions

Release: 1

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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 manual transmissions of two different vehicle or machinery.

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 manual transmissions, including procedures for handling transmission oils
- environmental requirements, including procedures for trapping, storing and disposing of oils released from transmissions
- identification and function of manual transmissions, including:
 - major components
 - gearshift mechanisms
- basic operation of manual transmissions, including:
 - transaxle
 - longitudinal transmission
 - transfer case
- types and applications of transmission oils
- inspection procedures for manual transmissions, including:
 - evaluating lubricant condition
 - carrying out visual inspections for damage or lubricant leaks
- service and adjustment procedures for manual transmissions, including:
 - replacing oils as required

- inspecting and adjusting lubricant levels
- adjusting linkages as required
- post-service testing procedures for manual 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 manual 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 manual transmission specifications
- two different vehicles or machinery with manual transmissions requiring servicing
- tools, equipment and materials appropriate for inspecting and servicing manual 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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