



Australian Government

Assessment Requirements for AURTTZ001 Inspect and service emission control systems

Release: 1

Assessment Requirements for AURTTZ001 Inspect and service emission control 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 two different vehicle or machinery emission control systems on petrol or diesel powered engines.

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 emission control systems, including procedures for working with vehicles and machinery that produce toxic exhaust gas
- basic principles of emission control, including:
 - types of vehicle emissions and their effects on the environment
 - sources of emissions from petrol and diesel vehicles and machinery, including:
 - fuel system
 - engine crankcase
 - engine exhaust system
- identification and function of emission control systems, including:
 - fuel evaporative control systems, including:
 - fuel tank and cap
 - charcoal canister
 - crankcase ventilation systems
 - exhaust emission control systems, including:
 - particulate filters
 - catalytic converters

- exhaust gas recirculation (EGR) systems
- supplementary catalytic reduction (SCR) systems
- inspection procedures for emission control systems, including:
 - identifying deterioration and damage of components
 - checking for fuel or exhaust gas leaks
- service and adjustment procedures for emission control systems, including cleaning or replacing components as required
- post-service testing procedures for emission control 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 emission control 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 emission control system specifications
- two different vehicles or machinery with emission control systems requiring servicing
- equipment, tools and materials appropriate for inspecting and servicing emission control systems.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>