



Australian Government

Assessment Requirements for AURTTA018 Carry out diagnostic procedures

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:

- follow workplace diagnostic procedures to diagnose faults in three different vehicles or machinery
- the above diagnosis work must involve two of the following types of faults:
 - loss of vehicle power
 - excessive fuel consumption
 - excessive emissions
 - poor handling
 - poor hydraulic system performance
 - poor pneumatic system performance
 - incorrect mechanical system performance
 - incorrect electrical system performance
 - vibration
 - abnormal noise
- record the diagnostic procedures followed with the above vehicles or machinery and identify the cause or causes of faults.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to carrying out diagnostic procedures, including procedures for working safely with the system being tested

- environmental requirements, including procedures for complying with requirements specific to the system being tested
- methods of gathering information, including questioning customers and effective questioning techniques
- types and applications of diagnostic strategies, including:
 - strategy-based diagnostics
 - flow charts
 - diagnosis charts
- types, applications, limitations and operation of common diagnostic tools
- methods of differentiating between fault symptoms and fault causes.

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 vehicles or machinery in which they have diagnosed faults, 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 detailing customer fault complaint
- manufacturer vehicle or machinery specifications
- three different vehicles or machinery with system faults specified in the performance evidence
- tools, equipment and materials required for diagnosing system faults.

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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