



Australian Government

Assessment Requirements for AURPTR001 Test and service 240 volt portable generators

Release: 1

Assessment Requirements for AURPTR001 Test and service 240 volt portable generators

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:

- test and service two different 240 volt portable generators.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to testing and servicing 240 volt portable generators, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - safely using electrical test equipment
 - working with exhaust fume hazards
 - working with hot or rotating parts
- licensing and regulatory requirements for working with 240 volt components
- application, purpose and operation of different types of 240 volt portable generators, including:
 - inverter
 - standard, including:
 - brush
 - brushless
- test and service procedures for 240 volt portable generators, including:
 - alternating current (AC) output voltage and frequency
 - battery voltage
 - load testing

- generator mountings and frame
- engine oil level check
- engine performance test
- control panel inspection
- post-service testing procedures for 240 volt portable generators, including operating portable generators through full operating range.

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 240 volt portable generators that they have tested and serviced, 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:

- outdoor power equipment repair workplace or simulated workplace
- workplace instructions
- manufacturer specifications for 240 volt portable generators
- area and equipment, including PPE, for safely testing 240 volt portable generators
- two different 240 volt portable generators requiring testing and service
- tools, equipment and materials appropriate for testing and servicing 240 volt portable generators, including electrical load test equipment and engine tachometer.

Links

Companion Volume implementation guides are found in VETNet -

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

Companion Volume implementation guides are found in VETNet -

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