



**Australian Government**

**Assessment Requirements for AURETR016  
Read and apply vehicle wiring schematics  
and drawings**

**Release: 1**

# Assessment Requirements for AURETR016 Read and apply vehicle wiring schematics and drawings

## 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 standard defined in the unit's elements and performance criteria, range of conditions and foundation skills:

- read, interpret and apply information from three different vehicle, vessel or machinery wiring schematics and diagrams when testing and fault finding their electrical wiring systems.

## Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- types of information in wiring schematics and drawings, including:
  - circuit symbols
  - wiring codes
  - vehicle zone tables
  - legends
  - diagrammatic representations
- key components of wiring schematics and drawings, including:
  - vehicle wiring schematics
  - electrical component symbols
  - electrical operational block schematics
  - controller area network databus (CAN-bus) circuit diagrams
  - vehicle zoning information tables
  - electrical component drawings
  - connector drawings that include connector end view drawings
- procedures for identifying currency and version control of wiring schematics and drawings

- procedures for maintaining wiring schematics and drawings.

## 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 vehicle or machinery wiring schematics and drawings they have interpreted, 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
- wiring schematics and drawings relating to three different vehicles, vessels or machinery.

## 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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