



Australian Government

Assessment Requirements for AURETR033

Develop and apply network electronic control system modifications

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

- develop and apply one of the following significant and non-routine modifications on the network electronic control system of two different vehicles, vessels, machinery or equipment:
 - adapt or modify network electronic control system to a significantly changed capability
 - adapt network electronic control system for different work conditions
 - modify or install a significant network electronic control system for a special purpose.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to developing and applying network electronic control system modifications, including procedures for:
 - identifying hazards and controlling risks associated with wearing jewellery while working around high current wiring systems
 - using personal protective equipment (PPE) and hand tools
- location and content of manufacturer specifications, workplace procedures and other relevant technical information relating to modifying network electronic control systems
- principles and processes involved in planning and implementing modifications to network electronic control systems
- types, functions, operation and limitations of the main automotive industry network electronic control systems being modified

- types, functions, operation and limitations of diagnostic testing equipment required for network electronic control system modifications, including scan tools and oscilloscopes
- requirements of Australian Design Rules (ADRs) and Vehicle Safety Bulletins (VSBs) relating to network electronic control system modifications
- procedures for documenting and reporting the modification specifications and outcomes.

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 network electronic control systems that they have modified, 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 service repair workplace or simulated workplace
- workplace instructions
- manufacturer network electronic control system specifications
- ADRs and VSBs relating to network electronic control system modifications
- two different vehicles, vessels, machinery or equipment requiring network electronic control system modification
- diagnostic equipment for network electronic control system modification, including scan tools and oscilloscopes
- tools, equipment and materials appropriate for completing network electronic control system modifications.

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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