



**Australian Government**

**Assessment Requirements for AURETR005  
Install automotive security systems and  
components**

**Release: 1**

# Assessment Requirements for AURETR005 Install automotive security systems and components

## 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, performance criteria, range of conditions and foundation skills:

- install two of the following security systems and components on non controller area network databus (CAN-bus) systems in different vehicles, vessels or machinery, including:
  - security alarm systems
  - single point immobilisation (engine start inhibit)
  - tilt, impact and vibration shock alarm activation sensors
  - audible and visual alert alarm equipment
  - theft alert vehicle and equipment tracking systems.

## Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to installing automotive security systems and components, including procedures for:
  - using specialised tools and equipment
  - selecting and using personal protective equipment (PPE)
  - identifying hazards and controlling risks associated with:
    - working on high voltage ignition systems
    - wearing jewellery while working around high current wiring systems
- types and basic operation of automotive security systems, including:
  - complete vehicle or equipment security alarm systems
  - single point immobilisation (engine start inhibit)

- dual point immobilisation (engine start inhibit and fuel shut-off)
- tilt, impact and vibration shock alarm activation sensors
- audible and visual alert alarm equipment
- theft alert vehicle and equipment tracking systems
- procedures for installing automotive security systems and components, including:
  - techniques for reading and interpreting technical information, wiring diagrams and graphic symbols
  - methods of determining wiring and connection type and size for system
  - methods of determining placement of components on vehicle or machinery
  - methods of connecting system and components to existing electrical system without causing damage or problems, including:
    - selecting and soldering wires
    - selecting and crimping terminals
    - removing and replacing connectors
    - removing and replacing existing electrical components
- post-installation testing procedures of automotive security system and components, including procedures for:
  - checking full operation of installed system
  - checking operation of existing electrical 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 automotive security systems and components that they have installed in vehicles, vessels or machinery, e.g. work 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 specifications relevant to vehicle, vessel or machinery systems and components being installed
- two different vehicles, vessels or machinery requiring the installation of security systems and components
- tools, equipment and materials appropriate for installing automotive security systems and components.

## 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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