



**Australian Government**

# **Assessment Requirements for AURVTN029**

## **Set up and operate universal vehicle measuring systems**

**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:

- set up and operate a universal measuring system on two occasions to take three-dimensional measurements (length, width and height) of upper and underbody on two vehicles with different types of chassis, including checking for the following types of damage:
  - diamond
  - twist
  - kick-up and kick-down.

### Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to setting up and operating universal vehicle measuring systems, including procedures for:
  - following universal measuring equipment safety requirements
  - selecting and using personal protective equipment (PPE)
  - manual handling techniques
- vehicle designs, including:
  - mono chassis
  - space frame
- types of vehicle chassis misalignment damage, including:
  - diamond
  - twist

- kick-up and kick-down
- sag
- mash and sway damage
- original equipment manufacturer (OEM) or authorised agency's specifications, including pre- and post-repair measurement intervals
- procedures for final inspection of set-up and operation of a universal measuring system.

## 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 that they have measured and repaired using a universal measuring system, 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 workplace or simulated workplace
- workplace instructions
- OEM or authorised agency specifications and measurements
- PPE required to set up and operate a universal vehicle measuring system
- universal vehicle measuring system
- universal vehicle measuring system operating instructions
- two vehicles with different chassis types requiring pre- and post-repair measuring of the misalignment damage specified in the performance evidence
- tools, equipment and materials appropriate for setting up and operating universal vehicle measuring systems.

## 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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