



**Australian Government**

**Assessment Requirements for  
AURVTW006 Carry out thermoplastic  
welding on vehicle trim components**

**Release: 1**

# Assessment Requirements for AURVTW006 Carry out thermoplastic welding on vehicle trim 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 this unit's elements, performance criteria, range of conditions and foundation skills:

- carry out thermoplastic welding procedures on three different vehicle trim components, in which the work must involve:
  - two different types of thermoplastics
  - one weld to a minimum of 50 mm in length.

## Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to carrying out thermoplastic welding on vehicle trim components, including procedures for:
  - selecting and using personal protective equipment (PPE)
  - using safety data sheets (SDS) for thermoplastics
  - manually handling vehicle components and welding equipment
  - using tools and equipment
  - using fume extraction equipment
- environmental requirements, including procedures for trapping, storing and disposing of waste materials
- vehicle manufacturer thermoplastic specifications
- type and use of fume extraction systems
- types and characteristics of plastics used in thermoplastic welding
- types and operation of thermoplastic welding equipment, including:
  - set-up

- operation
- methods and techniques for thermoplastic welding
- procedures for protecting vehicle and components during weld
- procedures for final inspection of thermoplastic weld.

## 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 thermoplastic welding that they have carried out, 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
- SDS for thermoplastics
- PPE required for thermoplastic welding
- fume extraction systems
- consumables and materials to weld thermoplastic
- three different vehicle trim components specified in the performance evidence requiring thermoplastic welding
- thermoplastic welder
- tools, equipment and materials appropriate for carrying out thermoplastic welding.

## 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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