



Australian Government

Assessment Requirements for AURVTW002 Carry out oxyacetylene brazing of components

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:

- carry out oxyacetylene brazing procedures on the following:
 - butt joint of 1.00 mm steel, 150 mm long
 - fillet joint of 1.00 mm steel, 150 mm long
 - lap joint of 1.6 mm steel, 150 mm long
 - pipe joint of 1.6 mm steel, 50 mm diameter.

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 oxyacetylene brazing of components, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using specialist tools and equipment, including approved oxyacetylene brazing glasses
 - manually handling components and oxyacetylene equipment
 - identifying and controlling hazards
- environmental requirements, including procedures for trapping, storing and disposing of waste materials
- types and application of brazing materials, including fluxes and rods
- use and operation of oxyacetylene plant, including procedures for setting and adjusting pressure and gauges
- oxyacetylene flame identification and applications, including:
 - natural
 - carburising

- oxidising
- basic maintenance procedures for oxyacetylene equipment
- methods and techniques for oxyacetylene brazing
- procedures for reporting faults and material defects
- procedures for final inspection and testing of brazed components.

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 oxyacetylene brazing activities 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
- PPE required to use oxyacetylene brazing equipment
- components to be brazed as specified in the performance evidence
- brazing equipment, consumables and materials
- oxyacetylene plant
- tools, equipment and materials appropriate for carrying out oxyacetylene brazing.

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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