



**Australian Government**

**Assessment Requirements for  
AURTTW001 Carry out soft soldering  
techniques**

**Release: 1**

# Assessment Requirements for AURTTW001 Carry out soft soldering techniques

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

- carry out soft soldering to repair:
  - a radiator or fuel tank using a soldering iron
  - a radiator using a direct flame.

## Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to soft soldering, including procedures for working with:
  - cleaning and heating equipment
  - corrosive fluxes
  - volatile liquids and fumes
- environmental requirements, including procedures for trapping, storing and disposing of waste produced during soft soldering process
- soft soldering procedures, including:
  - component cleaning and preparation
  - types and applications of fluxes
  - methods of applying heat, including:
    - soldering irons
    - direct flame
- soft soldering testing procedures, including pressure testing.

## 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 soft soldering work they have completed, 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 repair workplace or simulated workplace
- workplace instructions
- components as specified in the performance evidence requiring soft soldering repair or assembly
- tools, equipment and materials appropriate for soft soldering components, including:
  - required fluxes
  - required heating equipment, including:
    - soldering iron
    - direct flame equipment.

## 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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