



Australian Government

Assessment Requirements for AURVTS004 Repair vehicle composite material 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:

- repair composite components of two different vehicles, including a repair to:
 - 50 mm diameter hole
 - 100 mm split.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS), and occupational health and safety (OHS) requirements relating to repairing vehicle composite material components, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using tools and equipment
 - satisfying ventilation requirements for work area
 - using safety data sheets (SDS) for composite materials
 - handling and storing hazardous resins and chemicals
- environmental requirements, including procedures for trapping, storing and disposing of resins, chemicals and waste materials produced during fabrication process
- fibreglass and composite material repair procedures and techniques, including:
 - types and application of specialist composite tools and equipment
 - types and features of fibreglass and composite materials
 - use of composite moulds required for support backing during repair
 - measuring and calculation techniques
 - surface preparation for composite repairs

- mixing and applying composite materials according to manufacturer specifications
- finishing techniques for composite surfaces
- reinforcement methods to reinstate pre-damage strength
- composite repair problems and resolution techniques
- procedures for final inspection of repaired composite component.

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 vehicle components made of composite materials that they have repaired, 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
- PPE required to repair composite components
- SDS for composite materials
- composite materials
- two different vehicles requiring the composite component repairs specified in the performance evidence
- tools, equipment and materials appropriate for repairing vehicle composite material 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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