



Australian Government

Assessment Requirements for AURBTY003 Repair carbon fibre bicycle frames

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:

- assess two different damaged carbon fibre bicycle frames and repair them according to manufacturer specifications.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to assessing and repairing carbon fibre frames, including procedures for:
 - manually handling bicycles and frames
 - identifying workplace hazards
 - using tools and equipment, including personal protective equipment (PPE)
- environmental requirements, including procedures for disposing of waste materials
- key carbon frame bicycle terminology
- structure, properties and characteristics of carbon fibre material
- manufacturing processes of carbon fibre frames
- causes of damage to carbon fibre frames
- types of bicycle frames and their components
- types and use of tools and equipment used to repair carbon fibre bicycle frames
- techniques for repairing carbon fibre bicycle frames, including:
 - type of frame damage and defects
 - non-destructive testing procedures
 - measuring techniques
 - frame preparation techniques

- frame repair options
- testing procedures and safety checks.

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 carbon fibre bicycle frames that they have assessed and 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:

- bicycle workplace or simulated workplace
- workplace instructions detailing job requirements
- carbon fibre bicycle frame manufacturer specifications
- PPE required to repair carbon fibre bicycle frames
- material required to repair carbon fibre bicycle frames
- two different damaged carbon fibre bicycle frames
- tools and equipment appropriate for assessing and repairing carbon bicycle frames.

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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