



**Australian Government**

# **Assessment Requirements for AURBTQ002 Repair and overhaul bicycle drivetrain systems**

**Release: 1**

# Assessment Requirements for AURBTQ002 Repair and overhaul bicycle drivetrain systems

## 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 and overhaul the following bicycle drivetrain systems on two different bicycles:
  - derailleur
  - internal hub gear system
  - integrated brake and gear lever system
  - fixed and freewheel rear sprockets.

## 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 and overhauling bicycle drivetrain systems, including procedures for:
  - manually handling bicycles and their drivetrain systems
  - identifying workplace hazards
  - using tools and equipment, including personal protective equipment (PPE)
- environmental requirements, including procedures for disposing of waste materials
- key bicycle terminology relating to drivetrain systems
- types of bicycle drivetrain systems and their system components specified in the range of conditions
- types and use of tools and equipment used to repair bicycle drivetrain systems
- techniques and processes for repairing and overhauling bicycle drivetrain systems, including:
  - identification of bicycle drivetrain components, materials and specifications
  - fault identification

- drivetrain system measuring techniques
- drivetrain adjustment techniques
- use of drivetrain lubricants
- drivetrain testing procedures.

## 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 bicycle drivetrain systems that they have repaired and overhauled, e.g. repair records.

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, including location to test bicycle drivetrain system
- workplace instructions detailing job requirements
- drivetrain component specifications
- PPE required to repair and overhaul bicycle drivetrain systems
- drivetrain components
- two different bicycles requiring drivetrain repair and overhaul
- tools and equipment appropriate for repairing and overhauling bicycle drivetrain systems.

## 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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