



Australian Government

**Assessment Requirements for AURBTJ004
Repair and overhaul bicycle wheels and
hubs**

Release: 1

Assessment Requirements for AURBTJ004 Repair and overhaul bicycle wheels and hubs

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 three different bicycle wheels and hubs according to manufacturer specifications, including:
 - one spoke wheel
 - one disc wheel.

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 wheels and hubs, including procedures for:
 - manually handling bicycle wheels
 - identifying workplace hazards
 - using tools and equipment, including personal protective equipment (PPE)
- environmental requirements, including procedures for disposing of waste materials
- key bicycle wheel and hub terminology
- wheel and hub mechanical principles
- types of bicycle wheel and hub systems and components
- wheel and hub components specified in the range of conditions and their specifications
- types and use of tools and equipment used to repair and overhaul bicycle wheels and hubs
- techniques and processes for repairing and overhauling bicycle wheels and hubs, including:
 - types of wear or faults in bicycle wheel and hubs
 - measuring techniques

- torque measurement and adjustment of wheels
- 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 wheels and hubs that they have repaired and overhauled, 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
- wheel and hub technical and component specifications
- PPE required to repair and overhaul bicycle wheels and hubs
- three different bicycles requiring wheel and hub system repair and overhaul as specified in the performance evidence
- tools and equipment appropriate for repairing and overhauling bicycle wheels and hubs.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

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