



Australian Government

Assessment Requirements for AURTTW002 Set, operate and monitor specialist reconditioning machines

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

- set up, operate and monitor machine operations for three tasks, including:
 - one precision grinding operation
 - one milling or boring operation.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to setting up, operating and monitoring specialist machinery, including:
 - procedures for selecting and using personal protective equipment (PPE), including:
 - eye, hand and feet protection
 - protective clothing
 - operational risk assessment and treatments associated with:
 - electrical safety of machinery
 - machinery movement and operation
- basic machining procedures for commonly used specialist reconditioning machines, including:
 - sharpening and shaping tools
 - identifying worn and damaged cutting tools
 - correctly mounting and positioning cutting tools
 - setting machining parameters to achieve job requirements and maximise tool life, including speeds and feeds

- types and application of coolants and lubricants
- measuring to specified tolerances and dimensions
- type, characteristics, uses and limitations of commonly used specialist reconditioning machines
- techniques for reading and interpreting technical information, including technical drawings.

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 specialist machines that they have set, operated and monitored, 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 detailing work requirements, including work specifications
- specialist reconditioning machines specified in the performance evidence
- precision measuring equipment, including micrometers
- material relevant to carrying out machining operations.

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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