



Australian Government

Assessment Requirements for MEMPE001 Use engineering workshop machines

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEMPE001A Use engineering workshop machines.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include:

- following work instructions and safe work practices
- preparing a job plan on at least two occasions
- preparing for machining
- calculating speeds and feeds
- performing machining on at least two occasions
- using appropriate measuring equipment
- cleaning and storing of equipment.

Note: Where a volume and/or frequency is not specified, demonstration must be provided at least once.

Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- machines used to cut metal
- safe machine operation procedures
- material and equipment preparation requirements
- basic marking out techniques
- use and care of measuring tools
- types of machines for cutting, grinding, drilling, turning and milling
- work and tool holding methods for each machine.

Assessment Conditions

- Assessors must:
 - have vocational competency in using engineering workshop machines at least to the level being assessed with relevant industry knowledge and experience

- satisfy the assessor requirements in the *Standards for Registered Training Organisations 2015 or its replacement* and comply with the *National Vocational Education and Training Regulator Act 2011*, its replacement or equivalent legislation covering VET regulation in a non-referring State as the case requires.
- This unit must be assessed in a learning institution and must cover the successful use of a lathe and other relevant workshop machines and the skills developed would usually be developed by an individual working alone under direct supervision.
- Assessment must be in conjunction with assessment of the project unit and other units integrated into the project.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required including relevant workplace procedures, product and manufacturing specifications.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>