



Australian Government

Assessment Requirements for MEMPE006 Undertake a basic engineering project

Release: 1

Assessment Requirements for MEMPE006 Undertake a basic engineering project

Modification History

Release 1. Supersedes and is equivalent to MEMPE006A Undertake a basic engineering project.

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
- selecting engineering materials and components for a project
- determining appropriate joining methods for engineering materials and components
- researching engineering projects for their appropriateness
- producing drawings of an assembled project and its components
- planning the manufacture of an engineering project, including all necessary calculations
- producing components following created drawings
- assembling project
- tidying and cleaning work area
- returning tools, equipment and project items to designated storage areas and/or condition.

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 in an engineering workshop and use of personal protective equipment (PPE)
- sources of information on engineering materials and components
- sources of information on engineering projects
- engineering drawing practices, including need for drawings that others can follow
- methods of joining metals.
-

Assessment Conditions

- Assessors must:
 - have vocational competency in undertaking a basic engineering project 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 manufacture of a project and the skills developed would usually be developed by an individual working alone under direct supervision.
- Assessment **must be** in conjunction with assessment of all the skills and 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>