



Australian Government

Assessment Requirements for MEMPE002 Use electric welding machines

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEMPE002A Use electric welding 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
- reading and interpreting routine information on written job instructions
- preparing materials
- setting electric welding equipment according to given instructions on at least two occasions
- using electric welding machines to weld metal pieces together on at least two occasions
- 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 and welding practices and use of personal protective equipment (PPE)
- safe machine operation procedures
- types of welding and weld requirements
- material and equipment preparation requirements
- basic marking out techniques
- behaviour of metals under heat
- welding processes and properties
- post-welding treatments.

Assessment Conditions

- Assessors must:
 - have vocational competency in using electric welding 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 skills 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>