



Australian Government

Assessment Requirements for MEM05062 Apply welding and welding related codes and standards

Release: 1

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Modification History

Release 1. New unit.

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 the ability to:

- identify methods used by welders in at least one enterprise to access and determine currency of Australian and international welding standards
- apply Australian and/or international welding codes or standards for two different fabrications where the fabrications require welds to at least AS1554GP or equivalent
- follow work instructions, standard operating procedures and safe work practices
- locate and review standards for materials and consumables specified in at least two different fabrications.

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:

- welding processes
- welding parameters
- welding symbols and abbreviations used in Australian and international standards
- joint geometry
- methods to obtain current copies of standards and welding procedure specifications
- manufacturers marks and other methods used by manufacturers of materials and consumables to indicate compliance with standards
- formats and methods used by standards organisations to arrange, distribute and indicate currency of welding standards
- principles of tolerancing and how tolerances may be referenced in fabrication related standards and codes.

Assessment Conditions

- Assessors must:
 - have vocational competency in applying welding and related codes and standards 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/territory as the case requires.
- Assessment must occur in a functioning workplace. Where assessment in the workplace would be unsafe, impractical or threatens the environment, assessment must occur in a sufficiently rigorous simulated environment that reflects the circumstances that would be experienced in a functioning workplace. Assessment must cover all aspects of workplace performance, including task skills, task management skills, contingency management skills and job role environment skills.
- Knowledge assessment may be either verbal or written but must adequately reflect the knowledge requirements of the unit in a functioning workplace.
- 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>