



Australian Government

**Assessment Requirements for MEM05010
Apply fabrication, forming and shaping
techniques**

Release: 2

Assessment Requirements for MEM05010 Apply fabrication, forming and shaping techniques

Modification History

Release 2. Quantum of hours of workplace practice removed. Supersedes and is equivalent to MEM05010 Apply fabrication, forming and shaping techniques (Release 1).

Release 1. Supersedes and is equivalent to MEM05010C Apply fabrication, forming and shaping techniques.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria on at least two (2) occasions and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- selecting relevant tools and equipment to fabricate, form and shape materials
- setting up and safely operating equipment
- forming and shaping materials
- performing calculations associated with allowances for shrinkage, thickness and inside/outside measurements
- checking final product for compliance with specifications
- rectifying defects.

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)
- hot and cold forming/shaping processes
- machines, tools and equipment required to perform forming/shaping processes and reasons for selection
- equipment adjustments that can be made and the effect on the object being formed/shaped
- calculations to determine allowances
- machine and equipment operation
- material positioning/feeding requirements
- location and function of all safety guards
- defects in formed/shaped materials and required rectification by further work/adjustment.

Assessment Conditions

- Assessors must:

- have vocational competency in applying fabrication, forming and shaping techniques 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.
- 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>