



Australian Government

Assessment Requirements for MEM06001 Perform hand forging

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM06001B Perform hand forging

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 and using hand tools and formers
- selecting and applying hand forging techniques
- determining correct forging temperatures
- operating heat treatment equipment safely and effectively to hand forge materials to specification.

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)
- features and use of the range of hand tools, formers used in hand forging
- hand forging techniques, including drawing, swaging, bending, upsetting, spreading, punching and drifting
- calculations used to determine mean diameter, length and circumference
- sources of information on forging temperatures
- heat specifications for various materials
- effects of and allowances for material shrinkage and oxidisation
- application, set up and means of adjustment of diesel, electric and gas furnaces; coke fires and gaseous oxygen/fuel heating equipment.

Assessment Conditions

- Assessors must:
 - have vocational competency in performing hand forging 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

- Where possible assessment must occur in operational workplace situations. Where this is not possible or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment that reflects realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, 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>