



Australian Government

Assessment Requirements for MEM19050 Hand carve engraving work

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM19050A Hand carve engraving work.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- determining customer requirements including those related to repair or restoration
- identifying the engraving sequence and determining suitability of item and materials for carving work criteria on at least two occasions
- using datum lines and points and marking out and transferring design onto metal surfaces for carving criteria on at least two occasions
- selecting and using appropriate tools and equipment to complete work by hand according to job requirements
- machining, sharpening and maintaining tools in accordance with SOPs.

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 and procedures and use of personal protective equipment (PPE)
- materials suitable to be hand carve engraved
- carving work and types of surfaces
- techniques used for carving
- characteristics and responses of metals and common materials used in jewellery
- engraving terminology
- methods used to determine customer requirements
- sources of task-related information
- securing methods and limitations
- different gravers, scorpers and other tools and equipment and their applications
- techniques for producing and maintaining cutting edges
- equipment used for maintaining gravers and tool maintenance
- required industry standards
- hand engraving techniques

- environmental considerations when hand engraving.
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Assessment Conditions

- Assessors must:
 - have vocational competency in hand carving engraving work 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>