



Australian Government

Assessment Requirements for MEM19005 Produce three-dimensional precision items

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM19005B Produce three-dimensional precision items

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
- identifying and interpreting specifications, drawings, job sheets or work instructions to produce three-dimensional items
- selecting materials to meet design specifications
- selecting tools and equipment, including all hand and power tools appropriate to construction and repair of jewellery items
- applying appropriate fabrication procedures
- applying final finish to design item in accordance with design specifications
- completing documentation.

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)
- reasons for selecting particular metals, construction methods, manufacturing and finishing techniques
- tools and equipment required for processes
- planning and process stages
- working properties of precious and non-precious metals
- fine detail manufacturing processes
- components of jewellery items
- types and uses of measuring devices and recording methods
- procedures for final treatment, safe handling and storage of items.

Assessment Conditions

- Assessors must:

- have vocational competency in producing three-dimensional precision items 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>