



Australian Government

Assessment Requirements for MEM19052

Produce complex objects using silversmithing techniques

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM19052A Produce complex objects using silversmithing 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 and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- determining customer requirements
- researching information on designing complex pieces and confirming with appropriate personnel
- generating ideas and concepts
- sketching and interpreting drawings
- preparing production plan for selected design solution, producing a model or maquette and confirming with client
- selecting and applying appropriate silversmithing techniques to produce objects on at least two occasions
- determining and applying appropriate soldering operations for complex items that require a large number of joins to be undertaken on at least two occasions
- preparing and maintaining silversmithing tools and equipment
- producing work where fire-scale is controlled during production and applying a high standard of finishing skills on at least two occasions
- applying relevant surface finishing techniques
- achieving consistency in quality outcome across three or more pieces
- conducting tests and experiments for function against design brief
- evaluating and documenting design processes 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)
- types of pieces produced by silversmithing
- concept development techniques
- appropriate personnel to consult during the development of the design

- methods used to determine customer requirements
- purpose, function and maintenance of silversmithing tools and equipment
- techniques and manufacturing methods for silversmithing production
- silversmithing surface finishing techniques
- materials and their applications and limitations in silversmithing
- soldering techniques for silversmithing
- control measures for fire-scale
- binding and locating technique
- environmental considerations during silversmithing.

Assessment Conditions

- Assessors must:
 - have vocational competency in producing complex objects using silversmithing 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.
- 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>