



Australian Government

MEM19002 Prepare jewellery illustrations

Release: 1

MEM19002 Prepare jewellery illustrations

Modification History

Release 1. Supersedes and is equivalent to MEM19002B Prepare jewellery illustrations

Application

This unit of competency defines the skills and knowledge required to produce illustrations for manufacture, modification or repair of jewellery items.

Where computerised storage and retrieval systems are used unit MEM16008 Interact with computing technology should also be selected.

Where a computer-aided design (CAD) system is required to be used appropriate units should also be selected.

Where interpersonal and customer/client service skills are required to be used the appropriate units should also be selected.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Band: A

Unit Weight: 4

Pre-requisite Unit

MEM13015 Work safely and effectively in manufacturing and engineering

MEM16006 Organise and communicate information

Competency Field

Jewellery and horological

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 **Determine job requirements**

1.1 Follow standard operating procedures (SOPs)

1.2 Comply with work health and safety (WHS) requirements at all times

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

		1.3	Determine job requirements from specifications, job sheets or work instructions
2	Prepare or modify drawing	2.1	Select tools and equipment for drawing
		2.2	Generate illustrations consistent with enterprise SOPs
		2.3	Render illustration
		2.4	Approve illustration and accompanying documentation in accordance with SOPs
		2.5	Use, store, file, copy and issue working and reference drawings and illustrations

Foundation Skills

This section describes those required skills (reading, writing, oral communication and numeracy) that are essential to workplace performance in this unit of competency.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Job specifications, job sheets or work instructions include one (1) or more of the following:

- stone inclusions and sizes
- customer sizing
- special requests e.g. engraving
- material requirements
- collection arrangements
- design information
- customer ideas and concepts
- sketches
- preliminary layouts
- work instructions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

- job packets
- associated documents

Tools and equipment include one (1) or more of the following:

- compass
- set square
- ruler
- range of graphite or colour pencils
- cartridge paper
- computer
- software program

Accompanying documentation includes one (1) or more of the following:

- quotation
- specific design information
- recommendations

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>

Assessment Requirements for MEM19002 Prepare jewellery illustrations

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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
- selecting equipment appropriate to the illustrating method and requirements and preparing or modifying drawing
- setting up and safely operating equipment
- using colour, shadow and highlight techniques for emphasis to display jewellery design concept, and rendering illustration
- approving final illustration as per design information and processing in accordance with procedures.

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
- workplace documentation, storage and retrieval processes
- isometric and orthographic drawing perspectives
- drawing equipment and applications, storage and maintenance
- drawing methods
- rendering applications and techniques and tools for the creation of illustration effects
- jewellery designs, including shanks, settings styles, shoulders, decorative finishes
- working properties of jewellery metals used in practical manufacturing applications.

Assessment Conditions

- Assessors must:
 - have vocational competency in preparing jewellery illustrations 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.

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