



Australian Government

**Assessment Requirements for MEM30031
Operate computer-aided design (CAD)
system to produce basic drawing elements**

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM30031A Operate computer-aided design (CAD) system to produce basic drawing elements.

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:

- identifying drawing work requirements and selecting appropriate software functions and features
- identifying features and uses of CAD software used in detail drafting
- accessing and using computing equipment and CAD software functions on at least two occasions to produce drawing elements.

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:

- different approaches to drawing
- CAD software programs
- basic drawing elements
- awareness of copyright and intellectual property issues in relation to drawing
- environmental and work health and safety (WHS) issues associated with the tools and materials used for drawing
- quality assurance (QA) procedures
- CAD program capabilities and processes
- editing and transfer tools and methods.

Assessment Conditions

- Assessors must:
- have vocational competency in operating computer-aided design (CAD) system to produce basic drawing elements 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 that 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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Links

Companion Volume implementation guides are found in VETNet -

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