



Australian Government

**Assessment Requirements for
MSFFDM4012 Produce computer-aided
line and component production drawings**

Release: 1

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Modification History

Release 1. Unit code and title changed. Application changed. Performance Criteria simplified and changed to active voice. Range of Conditions removed with relevant information moved to Assessment Requirements. Assessment Requirements changed to remove duplication with Performance Criteria and clarify volume/frequency of evidence. Supersedes and is equivalent to MSFDN4002 Produce line and component production drawings.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- produce three computer-aided line and production drawings, of which one must be 3D, and:
 - interpret specifications and measurements in two and three-dimensional (2D and 3D) forms across the three drawings.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- typical features and functions of computer-aided drawing programs and their application in producing detailed line and production drawings:
 - drawing tools
 - view displays
 - edit functioning
 - working layers
 - plotting
- basic elements of line and component production drawings:
 - size and shape of component or product
 - projection and production method
 - limits, fits and tolerances of size, form and position
 - surface treatments
 - materials specifications
- regulatory requirements, recognised standards and codes, and industry practices for drawing.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - design concepts
 - specifications
 - computer-aided design equipment included current industry-standard software.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>