



Australian Government

MSFFM3030 Produce manual and computer-aided production drawings

Release: 1

MSFFM3030 Produce manual and computer-aided production drawings

Modification History

Release 1. Changes to code, application, elements, performance criteria, assessment requirements. Foundation skills added. Range of conditions removed. Assessment requirements changed.

Application

This unit describes the skills and knowledge required to make manual and computer-aided drawings to support manufacture and assembly in cabinet and furniture making, wood machining and other industries. Workers with this competency use discretion, judgement and problem solving to apply their knowledge of manufacture and assembly to the drawing process.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Competency Field

Cabinetry and furniture

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Identify drawing task requirements	1.1 Identify function and characteristics of object to be drawn 1.2 Identify purpose of drawings in production process
2. Establish drawing criteria and limitations	2.1 Establish dimensions, tolerance, angles, shapes, finished sizes and other specifications to be recorded in drawings 2.2 Identify appropriate drawing types, views and scales to meet task requirements 2.3 Select appropriate drawing conventions and symbols to meet task requirements 2.4 Select appropriate medium for drawings
3. Draft initial drawing	3.1 Include spatial information in drawings, including angles, shapes and dimensions 3.2 Include non-spatial information in drawings, including production

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	notes and list of materials required for production 3.3 Note drawing conventions and specifications on documentation
4. Complete drawing	4.1 Check angles, shapes and dimensions and other spatial and non-spatial information against specifications and sample, and correct errors 4.2 Check drawing for compliance with workplace documentation requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret production documentation
- Writing skills to add production notes and other information to drawings
- Numeracy skills to calculate lengths, areas, volumes and angles, to make calculations related to scale, and to work with geometric concepts.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Release 1. Supersedes and is equivalent to MSFFM3009 Produce manual and computer-aided production drawings.

Links

Companion Volume implementation guides are found in VETNet –

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