



Australian Government

Assessment Requirements for MSFFDM4013 Produce curved and shaped components for custom furniture

Release: 1

Assessment Requirements for MSFFDM4013 Produce curved and shaped components for custom furniture

Modification History

Release 1. Unit code and Application changed. Elements and Performance Criteria changed to active voice. Range of Conditions removed and relevant content moved to Assessment Requirements. Assessment Requirements changed to include volume and frequency of evidence and remove duplication with Performance Criteria. Supersedes and is equivalent to MSFFM4003 Produce curved and shaped components for custom furniture.

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 six significant timber curved components, five from solid timber and one using ply:
 - one involving shaping from solid timber using hand techniques
 - one involving shaping from solid timber using machine techniques
 - one involving laminating
 - one involving use of heat/steam
 - one involving other techniques
- items must demonstrate appropriate design, use of materials and strength for purpose
- perform checks on tools and equipment used across the six components, relating to appropriateness for use, service standards and safety.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- techniques for timber bending, forming and shaping, including:
 - laminating
 - coopering
 - steam bending
 - saw kerfing
 - hand shaping
 - machine shaping
 - timber shaped by hand or static machine tools
- types and characteristics of materials use in the curving or shaping of components, including:
 - solid timber and timber composites including plywood, medium density fibreboard (MDF) and veneer
 - plastic laminate

- sheet metal
- adhesives
- screws
- nails
- dowels
- decorative finishes
- abrasive paper
- finishing materials
- types, characteristics, uses, limitations and maintenance requirements of solid timbers commonly used in furniture production
- types, characteristics, uses and limitations on hand and power tools used in timber bending, forming and shaping, including:
 - band, cross-cut, mitre, panel and rip saws
 - surface and panel planers
 - belt sanders
 - horizontal borers
 - vertical drill presses
 - dove-tailers
 - pedestal grinders
 - wood-turning lathes
 - veneer guillotines
 - presses
- interpretation of plan representations of furniture design
- techniques for the preparation of drawings/set-outs/rods and geometrical concepts
- workflow within the workplace
- applicable work health and safety, legislative and workplace requirements relevant to the production of curved and shaped components for custom furniture are verified and complied with
- workplace and site standards, requirements, policies and procedures for the production of curved and shaped components for custom furniture

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:
 - hand and power tools
 - a wide range of timber and timber composite materials

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>