



Australian Government

Assessment Requirements for MSFFDM4004 Construct joints for custom furniture

Release: 1

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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 remove duplication with Performance Criteria. Supersedes and is equivalent to MSFFM4002 Construct joints 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 a minimum of four different joint types that meet industry standards and tolerances, with at least two produced substantially by hand operations, and in doing so:
 - utilise at least three different adhesive types across the different joint types
 - match requirements of adhesives and fasteners to the timbers/materials used.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- types of joints used, including:
 - dowel
 - mortise and tenon
 - dovetail
 - lap joint
 - biscuit joint
 - finger joint
 - housing joint
 - mitre or bridle joints
- types of tools and equipment used in joint construction and procedures for their safe use, operation and maintenance, including:
 - chisels
 - mallets
 - mortise gauges
 - vernier callipers
 - vices
 - dovetail, tenon and coping saws
 - planes
 - files

- hand and power drills
- dowel jigs
- portable biscuit machines
- power routers, planers, saws and sanders
- characteristics and properties of timber being used for joint
- characteristics, properties and selection criteria of adhesives used, including:
 - resorcinol formaldehyde
 - polyurethane
 - epoxy
 - cyanoacrylate
- moisture suppressants and barrier systems relevant to joint construction and finishes
- workflow in relation to the products being made or repaired
- equipment safety features and serviceability criteria
- applicable work health and safety, legislative and workplace requirements relevant to constructing joints for custom.

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:
 - a selection of products requiring joints
 - a full suite of tools and adhesives for potential selection and use.

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>