



Australian Government

MSFFP2006 Make simple timber joints

Release: 1

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Modification History

Release 1. New unit

Application

This unit specifies the competency required to make simple timber joints by hand operations.

It is designed for use in a pre-employment skills introduction program and is suitable for use in institutional-based vocational programs. Skills development will take place under direct supervision.

This unit is not to be used in a traineeship or apprenticeship training program or associated qualifications. It is only to be used in pre-employment programs and carries no credit towards apprenticeship/trade and other qualification types in manufacturing and furnishings.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Unit Sector

Furniture Making Pathways

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1	Determine job requirements	1.1	Identify job requirements, including product purpose, furniture style and joint type, from specifications, drawings, designs, project sheets or work instructions
		1.2	Identify the workplace, health and safety (WHS) practices and procedures to be used
2	Plan and prepare	2.1	Select and check tools, equipment and materials prior to

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| | for work | | use to ensure they are appropriate for the work, serviceable and in a safe condition |
| | | 2.2 | Select adhesives and fasteners to match the joint type |
| 3 | Make simple joint | 3.1 | Comply with work, health and safety (WHS) requirements at all times |
| | | 3.2 | Use appropriate personal protective equipment (PPE) in accordance with procedures |
| | | 3.3 | Mark out cutting and joining lines to suit joint type |
| | | 3.4 | Check measurements and calculations for accuracy to ensure quality outcomes |
| | | 3.5 | Construct the joints using furniture sector hand and power tools |
| | | 3.6 | Join timber in accordance with project sheets or work instruction requirements |
| | | 3.7 | Use fasteners, adhesives and appropriate clamping systems to make joints firm, where required |
| | | 3.8 | Check finished joint against quality requirements |
| 4 | Check work area and maintain equipment | 4.1 | Clean equipment and inspect for serviceable condition and store and report faulty and/or defective equipment in accordance with procedures |
| | | 4.2 | Store or dispose of materials according to procedures |
| | | 4.3 | Clean and maintain work area |

Foundation Skills

This section describes those required skills (reading, writing, oral communication and numeracy) that are essential to workplace performance in this unit of competency.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

PPE includes one (1) or more of the following:

- safety glasses
- face and head protection
- protective footwear
- protective clothing
- respiratory protection
- ear protection
- gloves

Joints include two (2) or more of the following:

- butt joint
- dowel
- domino
- biscuit joint
- mitre

Tools and equipment include one (1) or more of the following:

- chisels
- mallets
- vices
- dovetail saws
- tenon saws
- coping saws
- files
- hand drills
- power drills
- dowel jigs and power routers
- biscuit machine
- domino machine
- clamps and cramps

Adhesives include one (1) or more of the following:

- polyurethane
- cyanoacrylate
- PVA
- urea formaldehyde

Timbers include the following:

- softwood
- hardwood

Quality requirements include:

- visual appearance
- tolerance
- gaps or play in joints and strength

Unit Mapping Information

New unit

Links

Companion Volume implementation guides are found in VETNet -

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