



**Australian Government**

# **MSMPCII296 Make a small furniture item from timber**

**Release: 1**

## **MSMPCII296 Make a small furniture item from timber**

### **Modification History**

Release 1. Supersedes and is equivalent to MSAPCII296A Make a small furniture item from timber

### **Application**

This unit of competency covers the skills and knowledge required to make a small timber furniture item in accordance with the requirements of an established design. The unit of competency applies in a simulated or trial manufacturing environment where there is a high degree of direct supervision. The work may or may not involve electrical machinery.

This unit of competency applies to learners seeking practical skills that are relevant and useful to the area in which the learner hopes to gain employment, is currently working, and/or as a pathway to further study.

This unit of competency applies to a learning and assessment environment where access to normal production operations is not available. Typically this will be a VET in Schools delivery environment but it may be another simulated or trial manufacturing environment where a high degree of supervision exists. Students may be on work placement.

The unit of competency should be applied to a specific 'project' or task which has a defined beginning, middle and end, occurs over an extended period of time, and is relevant to the furniture manufacturing industry.

When delivered/assessed as part of a qualification the unit must be customised to ensure its relevance to real or simulated work activities and related workplaces.

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

### **Pre-requisite Unit**

Nil

### **Competency Field**

Manufacturing pathways

### **Unit Sector**

### **Elements and Performance Criteria**

Elements describe the essential outcomes

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

- 1 Identify job requirements
  - 1.1 Identify specifications for a small furniture item from work instructions
  - 1.2 Interpret the design to determine tools, equipment and materials, space and work health and safety (WHS) requirements
  - 1.3 Identify the cutting, joining and finishing requirements
- 2 Prepare for work
  - 2.1 Select a suitable work area for the task
  - 2.2 Prepare the work area to meet WHS and ergonomic requirements
  - 2.3 Select appropriate tools, equipment and materials, including personal protective equipment (PPE), in accordance with specifications
  - 2.4 Clean, check and adjust equipment and machinery in accordance with workplace procedures
  - 2.5 Identify potential hazards associated with the use of tools, equipment and materials, and take appropriate safety precautions and/or report to supervisor
  - 2.6 Keep records in accordance with workplace requirements
- 3 Produce work
  - 3.1 Cut timber according to specifications and WHS requirements
  - 3.2 Prepare edges and surfaces according to specifications and WHS requirements
  - 3.3 Join timber pieces according to item specifications and WHS requirements
  - 3.4 Check work against specifications at the identified checkpoints
  - 3.5 Rectify any non-conformity with required specifications and quality standards
  - 3.6 Finish work according to specifications and quality

standards

- |   |               |     |  |
|---|---------------|-----|--|
| 4 | Complete work | 4.1 | Check completed work against specifications and quality standards                                  |
|   |               | 4.2 | Return unused materials to storage, and dispose of waste and scrap following workplace procedures  |
|   |               | 4.3 | Clean the work area and return the tools and equipment to storage                                  |
|   |               | 4.4 | Complete and file documentation following workplace procedures and communicate with the supervisor |

## Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

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.

### **Small furniture item from timber**

A small furniture item from timber includes one or more of the following:

- small decorative box, with or without a lid
- wooden photo album
- simple stool/chair
- shelving
- CD rack
- chopping board
- simple table

### **Work instructions**

Work instructions include one or more of the following:

- job sheets
- patterns

- plans
- drawings and sketches
- verbal or illustrated directions from supervisor
- number and type of objects to be produced
- quality requirements
- WHS requirements
- environmental requirements

**WHS requirements**

WHS requirements include one or more of the following:

- equipment safety instructions
- hazardous and dangerous goods codes
- local safe operating procedures
- specific workplace rules regarding PPE

**Suitable work area**

A suitable work area includes one or more of the following:

- workbench
- desk or table
- workshop
- shed
- floor suitable for layout and assembly

**Appropriate tools, equipment and materials**

Appropriate tools, equipment and materials include, but are not limited to one or more of the following:

- manual saw
- jigsaw
- hacksaw
- clamp
- hammer
- mallet
- screw driver
- punch
- pliers and pincers
- file
- miter cutter
- 90 degree angle
- staple gun
- paintbrush
- rags

- measuring tapes/ rulers
- spirit level
- bevel
- chisel
- electric saw
- electric sander
- electric screw driver
- power drills
- panel laners
- horizontal borers
- vertical drill presses
- pedestal grinders
- pencils and marking devices
- blades
- lathes
- timber
- manufactured boards
- adhesives
- screws
- nails
- bolts
- glue
- hinges and metal fasteners
- steel
- plastics
- sandpapers
- primers
- paints and stains

### **Potential hazards**

Potential hazards include one or more of the following:

- broken or faulty equipment
- unnoticed sharp objects
- poor lighting
- inadequate ventilation
- inadequate attention to the activities of others
- electrical shortages and power overload
- disorganised or cluttered workspace (poor housekeeping)
- poor attention when dealing with tools and equipment
- environmental chemicals, heat, dust, noise, gas and oil

**Workplace records**

Workplace records include one or more of the following:

- plant and maintenance records
- job cards
- check sheets
- reporting requirements
- documenting equipment and/or material defects
- workplace procedures relating to the use of tools and equipment
- equipment booking forms and records
- attendance records

**Specifications**

Specifications include one or more of the following:

- measurements and dimensions
- shape
- joining methods
- surface finish, for example paint and varnish
- quality standards
- materials to be used

**Preparing edges and surfaces**

Preparing edges and surfaces include one or more of the following:

- filing
- sanding
- bevelling

**Joining timber**

Joining timber includes one or more of the following:

- nails
- screws
- glue
- staples

**Rectifying non-conformities**

Rectifying non-conformities includes one or more of the following:

- disassembly of the furniture item
- reshaping, resizing or re-cutting component materials
- reassembly

**Finishing work**

Finishing work includes one or more of the following:

- sanding
- priming
- painting
- sealing
- staining
- decorating

**Documentation**

Documentation includes one or more of the following:

- completing necessary paperwork
- communicating with supervisor that you have completed the task
- photographing the finished piece
- filing necessary paperwork

**Unit Mapping Information**

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**Links**

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>