



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>

Assessment Requirements for MSMPCII296 Make a small furniture item from timber

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria, and demonstrate the ability to:

- construct, assemble and finish at least one (1) basic furniture item from timber
- follow work instructions, operating procedures and inspection practices to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment or products
 - achieve required production output and product quality
 - modify activities to cater for variations in workplace contexts and environment
- use hand and power tools and equipment correctly and safely
- perform normal operator maintenance of work area to enable work to be conducted safely and efficiently
- communicate and work effectively and safely with others
- comply with work health and safety (WHS) requirements and safety instructions
- apply safe handling requirements for equipment, products and materials, including the use of personal protective equipment (PPE)
- collect, organise and understand information related to basic plans
- use mathematical ideas and techniques for measuring and calculating areas and estimating materials requirements
- follow instructions and specifications and ask for help where needed.

Knowledge Evidence

Must provide evidence that demonstrates knowledge of:

- workplace procedures and work instructions
- quality requirements
- terms used in furniture construction
- types and uses of tools, equipment and materials
- types of plans, drawings and specifications
- safety precautions for hazardous materials and equipment
- the organisational or workplace structure
- evaluation and review procedures
- creative thinking techniques

- enterprise/site safety and emergency procedures
- relevant standards and procedures.

Assessment Conditions

Assessment should occur on the job or in a workplace simulated facility with relevant equipment, materials, work instructions and deadlines.

This unit must always be assessed holistically in conjunction with other units of competency that form part of a specified job function.

Foundation skills are integral to competent performance of the unit and should not be assessed separately.

Performance must be demonstrated consistently over a period of time.

Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.

Assessors must:

- as a minimum, satisfy the Standards for Registered Training Organisations 2015 assessor requirements
- have vocational competency in the manufacturing industry at least to the level being assessed, with broad industry knowledge and experience, usually combined with a relevant industry qualification
- be familiar with the current skills and knowledge used and have relevant, current experience in the manufacturing industry.

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