



**Australian Government**

# **MSFFP2001 Undertake a basic furniture making project**

**Release: 1**

# MSFFP2001 Undertake a basic furniture making project

## Modification History

Release 1. New unit

## Application

This unit of competency covers preparing, assembling and finishing a basic furnishing project.

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 | Research furnishing materials and components | 1.1 | Determine materials that are appropriate for furnishing projects                         |
|   |                                              | 1.2 | Describe the design advantages of those furnishing materials when compared to each other |
|   |                                              | 1.3 | Identify and source commonly available hardware                                          |
|   |                                              | 1.4 | Identify and research different methods used to join                                     |

|   |                                     |     |                                                                                                                                                |
|---|-------------------------------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------|
|   |                                     |     | timber and engineered board                                                                                                                    |
|   |                                     | 1.5 | Describe the advantages of the different joining methods                                                                                       |
| 2 | Develop a furnishing-based project  | 2.1 | Select a project from a range of furniture pieces that can be completed in the institution in the available time                               |
|   |                                     | 2.2 | Determine the types of material required for the project                                                                                       |
|   |                                     | 2.3 | Calculate the amount of material and components required                                                                                       |
|   |                                     | 2.4 | Develop project scope and gain approval for the project                                                                                        |
| 3 | Determine drawing requirements      | 3.1 | Research different methods of producing drawings                                                                                               |
|   |                                     | 3.2 | Decide how drawings will be produced, e.g. using a computer-aided design (CAD) systems and/or hand drawing equipment, and/or freehand sketches |
|   |                                     | 3.3 | Decide on appropriate dimensioning methods for the drawings produced                                                                           |
|   |                                     | 3.4 | Decide on methods and conventions for naming and saving new or modified drawings                                                               |
| 4 | Create project drawings             | 4.1 | Produce drawings of the project that is to be completed using either CAD systems or hand drawing equipment                                     |
|   |                                     | 4.2 | Review drawings with trainer/instructor and peers                                                                                              |
|   |                                     | 4.3 | Modify drawings as required in response to the feedback provided                                                                               |
|   |                                     | 4.4 | Produce an items and materials list using either the CAD system computer software or by hand                                                   |
| 5 | Plan the manufacture of the product | 5.1 | Determine the machines, tools and equipment required and WHS/PPE requirements                                                                  |
|   |                                     | 5.2 | Determine the sequence of individual component manufacture and measures needed to protect                                                      |

|   |                            |     |                                                                                                                    |
|---|----------------------------|-----|--------------------------------------------------------------------------------------------------------------------|
|   |                            |     | manufactured components from damage                                                                                |
|   |                            | 5.3 | Develop a sequence for the assembly of the project                                                                 |
|   |                            | 5.4 | Get advice and approval for the project and plan                                                                   |
| 6 | Manufacture the product    | 6.1 | Follow safe work practices and procedures                                                                          |
|   |                            | 6.2 | Comply with work health and safety (WHS) requirements at all times                                                 |
|   |                            | 6.3 | Use appropriate personal protective equipment (PPE) in accordance with procedures                                  |
|   |                            | 6.4 | Manufacture and store components and acquire stock components according to the developed plan                      |
|   |                            | 6.5 | Assemble product according to the developed and approved plan using appropriate hand and power tools and equipment |
|   |                            | 6.6 | Check for conformance to requirements throughout the manufacture and assembly process                              |
| 7 | Complete work requirements | 7.1 | Clear work area of waste and clean according to requirements                                                       |
|   |                            | 7.2 | Maintain and/or store machines, tools and equipment according to instructions                                      |

## 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.

**Furnishing projects include one (1) or more of the following:**

- lamp table
- hall table
- bedside table
- occasional table
- hat stand
- dining chair
- writing desk
- blanket box
- ottoman

**Furnishing materials include one (1) more of the following:**

- types of timber
- engineered board
- composite materials
- upholstery foams
- glass
- textiles
- metal
- pre-machined components

**Types of hardware include one (1) or more of the following:**

- hinges
- knockdown fittings
- handles
- screws
- staples
- nails/upholstery tacks
- drawer runners and fixtures
- locks

**Methods used to join timber and engineered board include one (1) or more of the following:**

- knock down fittings
- nails
- screws
- gluing
- biscuits
- timber joints
- dowels
- dominoes

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

- safety glasses
- face and head protection

- protective footwear
- protective clothing
- respiratory protection
- ear protection
- gloves

## 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>

# Assessment Requirements for MSFFP2001 Undertake a basic furniture making project

## Modification History

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## Performance Evidence

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

- following work instructions, procedures and safe work practices
- applying safe handling requirements for equipment, products and materials, including the use of PPE
- selecting furnishing materials for the project
- selecting furnishing components for the project
- determining appropriate joining methods for furnishing materials and components
- producing drawings of an assembled project and its components
- planning the manufacture of a furnishing project, including all necessary calculations
- producing components according to created drawing requirements
- assembling project, including using tools and equipment in a safe and effective manner
- inspecting finished project against quality requirements
- tidying/cleaning work area as appropriate
- returning tools, equipment and project items to designated storage areas and/or conditions.

## Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- safe work practices and procedures in a furniture making environment and use of PPE
- sources of information on furnishing materials and components
- sources of information on furnishing projects
- furnishing drawing practices
- methods of joining timber and engineered board
- need for drawings that others can follow.

## Assessment Conditions

- Assessors must:
  - satisfy the assessor competency requirements that are in place at the time of the assessment as set by the VET regulator
  - have vocational competency in undertaking a basic furniture making project at least to the level being assessed with relevant industry knowledge and experience.

- Assessment must occur in a sufficiently rigorous simulated environment that reflects realistic workplace situations.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required to complete the project.
- Project should include the use of a number of materials, tools, joining methods and complexity expected of a learner entering the furnishing industry.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

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