



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **LMFFM2002B Assemble furnishing components**

**Revision Number: 1**

## LMFFM2002B Assemble furnishing components

### Modification History

Not applicable.

### Unit Descriptor

<b>Unit descriptor</b>	This unit covers the competency to assemble timber components to produce furniture frames or furniture
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### Application of the Unit

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### Licensing/Regulatory Information

Not applicable.

### Pre-Requisites

<b>Prerequisite units</b>	Nil	

### Employability Skills Information

<b>Employability skills</b>	This unit contains employability skills.
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## Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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## Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for assembly	<ul style="list-style-type: none"><li>1.1. Work instructions are used to determine job requirements, including design, tolerances, process, materials, finish and quantity</li><li>1.2. Assembly sequence are planned</li><li>1.3. Procedures are determined for checking quality at each stage of the process</li><li>1.4. Workplace health and safety requirements, including personal protection needs, are observed throughout the work</li><li>1.5. Suitable work area is selected for the task</li><li>1.6. Tools and equipment suitable to the fixing method are selected and checked for safe operation</li><li>1.7. Components, hardware, fittings and attachments are collected</li><li>1.8. Fixing and joining devices are selected in line with work instructions and type of materials to be joined</li><li>1.9. Jigs are selected and checked for suitability of purpose</li></ul>
2. Assemble components	<ul style="list-style-type: none"><li>2.1. Components are laid out and joined using jigs and appropriate fastenings</li><li>2.2. Hand and/or power tools and equipment are used as required</li><li>2.3. Assembled frame is checked for compliance with specifications</li><li>2.4. Components are prepared, assembled and fitted as per specification</li><li>2.5. Frames which do not meet quality specifications are repaired or tagged for further processing or recycling/disposal</li><li>2.6. Finished products are organised and stored in holding area</li></ul>
3. Clean work area and maintain equipment	<ul style="list-style-type: none"><li>3.1. Faulty and/or defective equipment is tagged and reported in accordance with workplace procedures</li><li>3.2. Waste and scrap are removed following workplace procedures</li><li>3.3. Tools and equipment used are cleaned, inspected for serviceable condition and stored appropriately in accordance with workplace procedures</li><li>3.4. Equipment and work area clean-up is maintained in accordance with workplace procedures</li></ul>

## Required Skills and Knowledge

### REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

#### Required skills

- collect, organise and understand information related to work orders, basic plans and safety procedures
- communicate ideas and information to enable confirmation of work requirements and specifications, coordination of work with site supervisor, other workers and customers, and the reporting of work outcomes and problems
- plan and organise activities, including the preparation and layout of the worksite and the obtaining of equipment and materials to avoid any back tracking, workflow interruptions or wastage
- work with others and in a team by recognising dependencies and using cooperative approaches to optimise workflow and productivity
- use mathematical ideas and techniques to correctly complete measurements and estimate material requirements
- use pre-checking and inspection techniques to anticipate assembly problems, avoid reworking and avoid wastage
- use the limited workplace technology related to the assembly, including tools, equipment, materials and measuring devices

#### Required knowledge

- the types, characteristics, uses and limitations of common furnishing components
- the interpretation of basic furniture plans
- identification of hand and/or power tools, materials, equipment, processes and procedures
- workflow in relation to furniture production

## Evidence Guide

### EVIDENCE GUIDE

The Evidence Guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

#### Critical Aspects of Evidence

- Interpret work order and locate and apply relevant information
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Follow work instructions, operating procedures and inspection practices to:
  - minimise the risk of injury to self or others
  - prevent damage to goods, equipment and products
  - maintain required production output and product quality
- Assemble at least four furnishing components from the list in the Range Statement
- Work effectively with others
- Modify activities to cater for variations in workplace context and environment

#### Resource Implications

Access to plans, hand and/or power tools, equipment, materials, cauls and jigs, woodworking machinery, and a work area.

#### Method of Assessment

Assessment methods must confirm consistency of performance over time and in a range of workplace relevant contexts.

Assessment should be by direct observation of tasks and questioning on underpinning knowledge.

Assessment should be conducted over time and may be in conjunction with assessment of other units of competency.

#### Context of Assessment

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

## Range Statement

### RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

**Furnishing components may include, but are not limited to:**

- carcasses
- doors
- drawers
- frames
- shelves
- ends
- tops and limited basic end items

**Unit context**

- OH&S requirements include legislation, building codes, material safety management systems, hazardous substances and dangerous goods code and local safe operating procedures
- Work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements
- Work requires individuals to demonstrate some discretion, judgement and problem solving skills in the assembly of furnishing components
- Competency may be demonstrated in workplaces involved in the manufacture of solid timber furniture, domestic furniture, commercial furniture, kitchen and bathroom cabinets and/or furniture components

**Tools and equipment include, but are not limited to:**

- measuring tapes or rulers
- hammers
- mallets
- squares
- bevels
- chisels
- planes
- hand saws

<b>RANGE STATEMENT</b>	
	<ul style="list-style-type: none"> <li>• power saws</li> <li>• power drills/screwdrivers</li> <li>• clamps</li> <li>• screwdrivers</li> <li>• pincers</li> <li>• pneumatic tools</li> </ul>
<b>Materials to be used may include, but are not limited to:</b>	<ul style="list-style-type: none"> <li>• timber</li> <li>• manufactured board</li> <li>• glues</li> <li>• screws</li> <li>• nails</li> <li>• dowels and knock-down fittings</li> </ul>
<b>Assembled component checking is to cover:</b>	<ul style="list-style-type: none"> <li>• alignment and squareness,</li> <li>• correct number and fitting of fasteners,</li> <li>• hardware, fittings and attachments, and</li> <li>• conformity to work instruction and quality requirements</li> </ul>
<b>Storage requirements</b>	Storage of finished products must ensure that there is no obstruction to traffic, components are not damaged in storage, incompatible items are not stored together, and products are arranged to match the sequence of work
<b>Personal protective equipment</b>	Personal protective equipment is to include that prescribed under legislation, regulations and enterprise policies and practices
<b>Information and procedures</b>	<ul style="list-style-type: none"> <li>• Workplace procedures relating to the use of tools and equipment</li> <li>• Work instructions, including job sheets, cutting lists, plans, drawings and designs</li> <li>• Work instructions, including job sheets, cutting lists, plans, drawings and designs</li> <li>• Manufacturers' specifications and operational procedures</li> </ul>

## Unit Sector(s)

<b>Unit sector</b>	Furniture Making
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## Competency field

Competency field	
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## Co-requisite units

Co-requisite units		