



**Australian Government**

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

# **LMFFM2008B Bend and form cane**

**Revision Number: 1**

## LMFFM2008B Bend and form cane

### Modification History

Not applicable.

### Unit Descriptor

|                        |                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------|
| <b>Unit descriptor</b> | This unit covers the competency to bend and form cane for use in furniture construction |
|------------------------|-----------------------------------------------------------------------------------------|

### Application of the Unit

|                                |  |
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| <b>Application of the unit</b> |  |
|--------------------------------|--|

### Licensing/Regulatory Information

Not applicable.

### Pre-Requisites

|                           |     |  |
|---------------------------|-----|--|
| <b>Prerequisite units</b> | Nil |  |
|                           |     |  |
|                           |     |  |

### Employability Skills Information

|                             |                                          |
|-----------------------------|------------------------------------------|
| <b>Employability skills</b> | This unit contains employability skills. |
|-----------------------------|------------------------------------------|

## 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 work                     | <p>1.1. Workplace health and safety requirements, including personal protection needs, are observed throughout the work</p> <p>1.2. Tools, machines and materials are selected and checked prior to use to ensure that they are appropriate for the work, serviceable and in a safe condition</p> <p>1.3. Furniture design, tolerances, process, materials and quantities are determined from work instructions</p> <p>1.4. Work sequence is planned</p> <p>1.5. Procedures are determined for checking quality at each stage of the process</p> <p>1.6. Suitable work area is selected for the task</p> <p>1.7. Preparatory drawings/set-outs for tasks are completed where required</p>                                         |
| 2. Complete bending and forming process | <p>2.1. Tools, machines and equipment are used in accordance with safety requirements and manufacturers' specifications</p> <p>2.2. Materials are visually inspected for flaws and faults</p> <p>2.3. Cane is machine sanded to remove exterior blemishes, flaws or faults</p> <p>2.4. Cane is prepared by straightening where required and marked for bending</p> <p>2.5. Cane is heated in ovens in accordance with design/pattern bending requirements</p> <p>2.6. Cane is bent in accordance with design/pattern requirements</p> <p>2.7. Product is checked against plans at identified checkpoints to ensure compliance with specifications</p> <p>2.8. Non-conformity with the required quality standards is rectified</p> |
| 3. Finalise operation                   | <p>3.1. Faulty and/or defective equipment is tagged and reported in accordance with workplace practices</p> <p>3.2. Work area is cleaned, hand and/or power tools and equipment are cleaned, maintained and stored in accordance with workplace procedures</p> <p>3.3. Off-cuts and unused materials are collected and stored for reuse or disposed of following workplace procedures</p> <p>3.4. Waste and scrap materials are dealt with following</p>                                                                                                                                                                                                                                                                          |

| ELEMENT | PERFORMANCE CRITERIA |
|---------|----------------------|
|         | workplace procedures |

## 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, 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, calculate area and estimate material requirements
- use pre-checking and inspection techniques to anticipate installation problems, avoid reworking and avoid wastage
- use the limited workplace technology related to the installation, including tools, equipment, calculators and measuring devices

#### Required knowledge

- the interpretation of plan representation of cane furniture design
- the preparation of drawings/set-outs
- identification of hand and/or power tools, materials, equipment, processes and procedures
- workflow in relation to cane bending and forming

## 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
- Apply ventilation standards
- Follow work instructions, operating procedures and inspection practices to:
  - minimise the risk of injury to self and others
  - prevent damage to goods, equipment and products
  - maintain required production output and product quality
- Bend and form cane for a minimum of three furniture items, including
  - two or three seater lounge
  - oval dining table
  - dining chair
- 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, machines, cane 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 may be in conjunction with assessment of other relevant units of competency.

#### Context of Assessment

Assessment may occur on the job or in a workplace simulated facility with relevant machines, tools, 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.

|                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cane furniture may include:</b>                              | <ul style="list-style-type: none"> <li>• lounge chairs</li> <li>• dining chairs</li> <li>• tables</li> <li>• side tables</li> <li>• coffee tables</li> <li>• entertainment units</li> <li>• bookcases</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Unit context</b>                                             | <ul style="list-style-type: none"> <li>• OH&amp;S requirements include legislation, building codes, material safety management systems, hazardous substances and dangerous goods code and local safe operating procedures</li> <li>• Work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements</li> <li>• Work involves reading and interpreting plans, developing set-outs, using hand and/or power tools, equipment and operating machinery</li> <li>• Competency may be demonstrated in workplaces involved in the manufacture of cane furniture</li> </ul> |
| <b>Tools and equipment may include, but are not limited to:</b> | <ul style="list-style-type: none"> <li>• hand sanders and planers</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Machines may include, but are not limited to:</b>            | <ul style="list-style-type: none"> <li>• bench saws</li> <li>• drop saws</li> <li>• stationary sanding machines</li> <li>• ovens</li> <li>• bending presses</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Personal protective equipment</b>                            | Personal protective equipment is to include that prescribed under legislation, regulations and enterprise policies and practices                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

**RANGE STATEMENT****Information and procedures**

- Workplace procedures relating to the use and operation of tools and equipment
- Workplace instructions, including job sheets, plans, drawings and designs
- Workplace procedures relating to reporting and communications
- Manufacturers' instructions for the use of equipment and materials

**Unit Sector(s)**

|                    |                  |
|--------------------|------------------|
| <b>Unit sector</b> | Furniture Making |
|--------------------|------------------|

**Competency field**

|                         |  |
|-------------------------|--|
| <b>Competency field</b> |  |
|-------------------------|--|

**Co-requisite units**

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|---------------------------|--|--|
| <b>Co-requisite units</b> |  |  |
|                           |  |  |
|                           |  |  |