



Australian Government

MSFFM2008 Bend and form cane

Release: 1

MSFFM2008 Bend and form cane

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers bending and forming cane for use in furniture construction.

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

Pre-requisite Unit

Competency Field

Unit Sector

Furniture Making

Elements and Performance Criteria

Elements describe the essential outcomes.

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

1	Prepare for work	1.1	Work health and safety (WHS) requirements, including personal protection needs, are observed throughout the work
		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
		1.3	Furniture design, tolerances, process, materials and quantities are determined from work instructions
		1.4	Work sequence is planned
		1.5	Procedures are determined for checking quality at each stage of the process
		1.6	Suitable work area is selected for the task
		1.7	Preparatory drawings/set-outs for tasks are completed, where required

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| 2 | Complete bending and forming process | 2.1 | Tools, machines and equipment are used in accordance with safety requirements and manufacturer specifications |
| | | 2.2 | Materials are visually inspected for flaws and faults |
| | | 2.3 | Cane is sanded to remove exterior blemishes, flaws or faults |
| | | 2.4 | Cane is prepared by straightening, where required, and marked for bending |
| | | 2.5 | Cane is heated in steam ovens or kilns in accordance with design/pattern bending requirements |
| | | 2.6 | Cane is bent in accordance with design/pattern requirements |
| | | 2.7 | Product is checked against plans at identified checkpoints to ensure compliance with specifications |
| | | 2.8 | Non-conformity with the required quality standards is rectified |
| 3 | Finalise operation and maintain equipment | 3.1 | Work area is cleaned, hand and/or power tools and equipment are cleaned, maintained and stored in accordance with workplace procedures |
| | | 3.2 | Machinery is cleaned and left in a safe mode |
| | | 3.3 | Faulty and/or defective equipment is tagged and reported in accordance with workplace practices |
| | | 3.4 | Unused hardware is collected and stored for re-use or disposal following workplace procedures |
| | | 3.5 | Waste and scrap materials are dealt with following workplace procedures |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. Detail on appropriate performance levels for each furnishing unit of competency in reading, writing, oral communication and numeracy utilising the Australian Core Skills Framework (ACSF) are provided in the Furnishing Training Package Implementation Guide.

Range of Conditions

Specifies 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. Range is restricted to essential operating conditions and any other variables essential to the work environment.

- Cane furniture includes:**
- lounge chairs
 - dining chairs
 - tables
 - side tables
 - coffee tables
 - entertainment units
 - bookcases
- Unit context includes:**
- WHS requirements, including 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 involves reading and interpreting plans, developing set-outs, using hand and/or power tools, equipment and operating machinery
 - competency may be demonstrated in workplaces involved in the manufacture of cane furniture
- Tools and equipment include:**
- hand sanders and planers
- Machines include:**
- bench saws
 - drop saws
 - stationary sanding machines
 - steam ovens or kilns
 - bending presses
- Personal protective equipment includes:**
- that prescribed under legislation, regulations and enterprise policies and practices
- Information and procedures include:**
- workplace procedures relating to the use of tools and equipment
 - work instructions, including job sheets, cutting lists, plans, drawings and designs
 - workplace procedures relating to reporting and communication
 - manufacturer specifications and operational procedures

Unit Mapping Information

Supersedes and is equivalent to LMFFM2008B Bend and form cane.

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 MSFFM2008 Bend and form cane

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Performance 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 (3) furniture items, including:
 - two or three seater lounge
 - oval dining table
 - dining chair
- Use mathematical ideas and techniques to correctly complete measurements, calculate area and estimate material requirements
- Communicate ideas and information to enable confirmation of work requirements and specifications and the reporting of work outcomes and problems, interpret basic plans and follow safety procedures
- Minimise wastage of resources, including materials, time and money
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

- Interpretation of plan representation of cane furniture design
- Preparation of drawings/set-outs
- Identification of hand and/or power tools, materials, equipment, processes and procedures
- Work flow in relation to cane bending and forming

Assessment Conditions

- Assessors must:
 - hold training and assessment competencies as determined by the National Skills Standards Council (NSSC) or its successors
 - have vocational competency in the furnishing 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 furnishing industry.
- Assessment methods must confirm consistency of performance over time rather than a single assessment event and in a range of workplace relevant contexts.
- Assessment must be by observation of relevant tasks with questioning on underpinning knowledge and, where applicable, multimedia evidence, supervisor's reports, projects and work samples.
- Assessment is to be conducted on single units of competency or in conjunction with other related units of competency. Foundation skills are integral to competent performance in the unit and should not be assessed separately.
- Assessment must occur on the job or in a workplace simulated facility with relevant process, equipment, materials, work instructions and deadlines.
- Access is required to plans, equipment and materials required to bend and form cane.

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