



Australian Government

MSFFM2002 Assemble furnishing components

Release: 1

MSFFM2002 Assemble furnishing components

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers assembling of timber components to produce furniture frames or furniture.

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.

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|---|----------------------|-----|---|
| 1 | Prepare for assembly | 1.1 | Work instructions are used to determine job requirements, including design, tolerances, process, materials, finish and quantity |
| | | 1.2 | Assembly sequence is planned |
| | | 1.3 | Procedures are determined for checking quality at each stage of the process |
| | | 1.4 | Work health and safety (WHS) requirements, including personal protection needs, are observed throughout the work |
| | | 1.5 | Suitable work area is selected for the task |
| | | 1.6 | Tools and equipment suitable to the fixing method are selected and checked for safe operation |
| | | 1.7 | Components, hardware, fittings and attachments are |

		collected
		1.8 Fixing and joining devices are selected in line with work instructions and type of materials to be joined
		1.9 Jigs are selected and checked for suitability of purpose
2	Assemble components	2.1 Components are laid out and joined using jigs and appropriate fastenings
		2.2 Hand and/or power tools and equipment are used as required
		2.3 Components are prepared, assembled and fitted in accordance with specifications
		2.4 Assembled component is checked for compliance with specifications
		2.5 Components which do not meet quality specifications are repaired or tagged for further processing or recycling/disposal
		2.6 Finished products are organised and stored in holding area
3	Clean work area and maintain equipment	3.1 Faulty and/or defective equipment is tagged and reported in accordance with workplace procedures
		3.2 Waste and scrap are removed following workplace procedures
		3.3 Tools and equipment used are cleaned, inspected for serviceable condition and stored appropriately in accordance with workplace procedures
		3.4 Equipment and work area clean-up is maintained in accordance with 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.

Furnishing components include:

- carcasses
- doors
- drawers
- frames
- shelves
- ends
- tops

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 requires individuals to demonstrate some discretion, judgement and problem solving 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:

- measuring tapes or rulers
- hammers
- mallets
- squares
- bevels
- chisels
- planes
- hand saws
- power saws
- power drills/screwdrivers
- clamps/cramps
- screwdrivers and/or spanners
- pincers
- pneumatic tools, compressor and spray equipment

Materials to be used include:	• timber • manufactured board • glues • screws • nails • dowels and knock-down fittings
Assembled component checking is to cover:	• squareness, alignment and wind • hardware, fittings and attachments • functionality and tolerances • conformity to work instruction and quality requirements
Storage requirements include:	• ensuring that there is no obstruction to traffic • components are not damaged in storage • incompatible items are not stored together • products are arranged to match the sequence of work
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 • manufacturer specifications and operational procedures

Unit Mapping Information

Supersedes and is equivalent to LMFFM2002B Assemble furnishing components.

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 MSFFM2002 Assemble furnishing components

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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
- 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 (4) furnishing components from the list in the Range Statement
- Use mathematical ideas and techniques to correctly complete measurements 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

- Types, characteristics, uses and limitations of common furnishing components
- Interpretation of basic furniture plans
- Identification of hand and/or power tools, materials, equipment, processes and procedures
- Work flow in relation to furniture production

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 tools, equipment and materials required to assemble furnishing components.

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