



Australian Government

MSFFM1001 Construct a basic timber furnishing product

Release: 1

MSFFM1001 Construct a basic timber furnishing product

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers constructing, assembling and finishing a basic timber furnishing product. It applies to a VET in Schools or pre-vocational program for new entrants to the furnishing industry.

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 instructions are used to determine job requirements, including design variations, tolerances, process, materials, finish and quantity
		1.2	Construction and assembly sequence are 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	Preparatory drawings/set-outs for tasks are confirmed
		1.7	Cutting list for project components is accessed and

- interpreted
- 1.8 Materials are selected following work instructions
 - 1.9 Tools and equipment suitable for construction are identified and checked for safe and effective operation
- 2 Complete construction
- 2.1 Material is set out and prepared according to work instructions and components are marked according to workplace procedures
 - 2.2 Tools, machines and equipment are used in accordance with safety requirements and manufacturer specifications
 - 2.3 Components are manufactured, including any specified shapes, angles or curves, and checked against set-outs and job requirements
 - 2.4 Components are assembled using jigs and/or clamps and fastenings
 - 2.5 Adhesives are applied according to workplace procedures and/or manufacturer instructions
 - 2.6 Joining process is undertaken according to workplace procedures
 - 2.7 Assembled product is checked for compliance with specifications
 - 2.8 Item is finished in accordance with work instructions
- 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 Off-cuts and unused materials are collected and stored for re-use or disposed of following workplace procedures
 - 3.3 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.

Basic timber furnishing products include:

- occasional and coffee tables
- jewellery boxes
- tool boxes
- CD racks
- small cabinets
- entertainment units
- timber stools
- clocks

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 the project plan, using hand and power tools, operating basic woodworking machinery, applying quality requirements and applying product finishing techniques and materials
- competency may be demonstrated in workplaces or simulated workplaces involved in the manufacture of solid timber furniture, domestic furniture, commercial furniture and/or furniture components or a suitably simulated environment

Tools and equipment include:

- measuring tapes or rulers
- hammers
- mallets
- squares
- bevels

	• chisels • planes • hand saws • power drills, saws, planers and other power tools • cordless drills/screwdrivers or other cordless tools • fixing and joining devices • jigs • clamping devices • pincers
Machines include:	• band saws • cross cut saws • rip saws • panel planers/thicknessers • edge planer/jointer • belt sander • biscuit machine • horizontal borers • vertical drill presses • pedestal grinders • hand wood-turning lathes
Materials include:	• timber • manufactured board • adhesives • screws • nails • bolts • dowels • metal fasteners • steel • plastics • primers and coating materials
Checking of constructed product is to cover:	• squareness, wind or twist and measurements against drawings • alignment of fittings, attachments and moving parts • suitability of design, hardware and materials • overall quality of finish
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 LMFFM1001B Construct a basic timber furnishing product.

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 MSFFM1001 Construct a basic timber furnishing product

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Performance Evidence

- Interpret work instructions 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 or products
 - achieve required production output and product quality
- Adapt or vary furnishing product designs
- Construct, assemble and finish at least one (1) basic furnishing product from the list in the Range of Conditions
- 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 furniture design
- Preparation of drawings/set-outs
- Work flow in relation to furniture construction
- Identification of hand and/or power tools, materials, equipment, processes and procedures

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 plans, hand and/or power tools, equipment, materials and woodworking machinery.

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