



Australian Government

MSFFM2001 Use furniture making sector hand and power tools

Release: 1

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Modification History

Release 1 - New unit of competency

Application

This unit of competency covers using hand and power tools in applications relating to furniture making.

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 | Identify hand and power tools | 1.1 | Types of hand and power tools and their functions are identified |
| | | 1.2 | Work health and safety (WHS) requirements, including personal protection needs, are observed throughout the work |
| | | 1.3 | Sources of power supply are recognised |
| 2 | Select and use hand tools | 2.1 | Hand tools selected are consistent with needs of the job, checked for serviceability and safety, and any faults reported to supervisor |
| | | 2.2 | Equipment is selected to hold or support material for hand tools application where applicable |
| | | 2.3 | Material is located and held in position for hand tool application |

		2.4	Hand tools are safely and effectively used according to their intended use and safely located when not in immediate use
3	Select and use power tools	3.1	Power tools are selected consistent with needs of the job in accordance with conventional work practice, are visually checked for serviceability and safety in accordance with WHS requirements, and any faults reported to supervisor
		3.2	Equipment is selected to hold or support materials for power tool application as applicable
		3.3	Material is located and held in position for power tool application as applicable
		3.4	Power tools are safely and effectively used in application processes and safely located when not in use
4	Clean up work area and tools	4.1	All tools are cleaned, maintained and stored
		4.2	Equipment is cleaned, maintained and stored
		4.3	Work area is cleared and waste removed

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.

Hand tools for furniture making include:

- hand planes
- chisels
- hand saws
- spokeshave
- hammers (claw, Warrington, tack and ball pein)

	• mallet • marking-out tools • files • rasps • scraper • screwdrivers and hand drills
Power tools for furniture making include:	• drop saw • circular power saw • planer • drill • jig saw • router • trimmer • biscuit machine • brad/nail and staple gun and sanders
Unit scope includes:	• individuals to demonstrate skill, accuracy and dexterity in the application of tools to perform work tasks which should include dressing materials, cutting joints, finishing surfaces, cutting straight and compound angles, jointing materials, edge trimming and the basic sharpening of cutting tools
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, manufacturer's specifications, manual handling procedures and organisation insurance requirements
Fault reporting includes:	• verbal or written reporting
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 LMFFM2001B Use furniture making sector hand and power tools.

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 MSFFM2001 Use furniture making sector hand and power tools

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Performance Evidence

- Locate and apply relevant information related to hand and power tools
- 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, tools, equipment or products
 - maintain required production output and product quality
- Adopt and carry out correct procedures prior to and during use of the range of hand and power tools stipulated in the Range of Conditions
- Carry out operator maintenance on hand and power tools, including the grinding and sharpening of:
 - chisels
 - hard plane blades or irons
 - drill bits
- 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 waste 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, limitations and maintenance requirements of hand tools commonly used in furniture production
- Types, characteristics, uses, limitations and maintenance requirements of power tools commonly used in furniture production
- Workplace safety requirements and WHS legislation
- Work flow within the workplace

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 furniture making sector hand and power tools, and materials used in the manufacturing and/or installation of furnishing products.

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