



Australian Government

MSFFM3008 Select timbers for furniture production

Release: 1

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Modification History

Release 1 - New unit of competency

Application

This unit of competency covers selecting suitable timbers for use in production by applying knowledge of timber technology.

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 Determine timber requirement	1.1 Work health and safety (WHS) requirements, including personal protection needs, are observed throughout the work 1.2 Structural requirements for timbers are determined from workplace documentation 1.3 Timber is assessed for suitability in accordance with selection criteria 1.4 Written report is prepared substantiating selection of timber
2 Evaluate timber selected	2.1 Other materials which may be incorporated into furnishing item are identified and compatibility factors to be considered are recorded for inclusion in production plans 2.2 Moisture content of timber selected is determined to ensure compliance with production requirements

- 2.3 Density and working properties of timber are determined to ensure compliance with production requirements
- 2.4 Any faults or features in the timber are identified and strategies are suggested to overcome/minimise their effects
- 2.5 Recommendations on any changes to appropriate finishes and adhesives are recorded for inclusion in production plans

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 items include:**
- solid timber furniture
 - upholstered furniture and occasional items
- Unit context includes:**
- WHS requirements, including legislation, building codes, material safety management systems, hazardous substances and dangerous goods codes, and local safe operating procedures or equivalent
 - work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements
- Timbers include:**
- indigenous and overseas timbers
 - softwood
 - hardwood
- Selection criteria includes:**
- aesthetic appeal
 - shape
 - volumes required and characteristics
- Working properties**
- hardness

include:

- strength and brittleness

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 LMFFM3010B Select timbers for furniture production.

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 MSFFM3008 Select timbers for furniture production

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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:
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
 - minimise the risk of injury to self and others
- From a range of ten (10) common furniture species samples, identify the species correctly, match it to a specified application and justify the choice
- Correctly identify natural and seasoning faults in selected timbers
- Use a moisture meter to measure the moisture content in a minimum of three (3) samples, including one (1) hard and one (1) soft timber
- 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

- Characteristics and uses of a range of available indigenous and overseas timber
- Commonly used complementary materials and their compatibility when used in conjunction with others
- Impact of climate and workshop conditions on timbers
- Timber seasoning methods, techniques and faults
- Solid timber conversion techniques

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 a range of timber and moisture content measuring devices.

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