



Australian Government

MSFFM3042 Fabricate cabinetry

Release: 1

MSFFM3042 Fabricate cabinetry

Modification History

Release 1. Changes to code, application, elements, performance criteria, assessment requirements. Foundation skills added. Range of conditions removed. Assessment requirements changed.

Application

This unit describes the skills and knowledge required to fabricate components from manufactured board or timber and assemble them into cabinets.

Workers with this competency follow established procedures in timber technology industries using discretion, judgement and problem solving to identify and resolve routine product and machine issues.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Competency Field

Cabinetry and furniture

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Plan fabrication process	1.1 Determine task requirements and cutting list specifications from work documentation 1.2 Prepare working drawings and set outs to meet task requirements 1.3 Identify and follow work health and safety requirements 1.4 Check that materials meet task quality requirements. 1.5 Identify procedures for waste minimisation and energy efficiency while completing task

2 Set up machines	2.1 Check that emergency stops, gauges, guards, controls and safety equipment are functional prior to machine start-up 2.2 Complete machine settings and adjust to meet task requirements in compliance with manufacturer instructions 2.3 Check that cutting tools, jigs and other required tools and equipment are available, safe and functional 2.4 Complete trial runs to check that machine is fully functional and that finished work meets task accuracy and quality requirements 2.5 Identify and make necessary adjustments to machine settings to meet task quality and efficiency requirements
3 Convert board to product components	3.1 Follow machine start-up procedures in accordance with manufacturer instructions 3.2 Position material in accordance with manufacturer instructions, tooling requirements, safe handling and workplace procedures 3.3 Operate machine in accordance with its designed capacity and purpose, and to manufacturer recommendations 3.4 Monitor machine operation to ensure product quality and output 3.5 Check waste quantities and make adjustments to minimise it 3.6 Confirm components against set-outs for required tolerances, fit and accuracy and recycle or discard non-compliant components in accordance with workplace procedures 3.7 Recognise problems with product or machine operation and resolve or report to appropriate persons in accordance with workplace procedures
4 Assemble cabinet	4.1 Assemble components and check against plans or set-out for accuracy, including dimensions, square and tolerances 4.2 Prepare product for final finish in accordance with task requirements
5 Finalise operation	5.1 Clean work area, safely dispose of waste and identify items for recycling in accordance with workplace procedures and environmental standards 5.2 Clean machinery, complete routine maintenance and leave in a safe mode in accordance with workplace procedures 5.3 Identify, tag and report faulty equipment in accordance with workplace procedures 5.4 Complete job documentation in accordance with workplace

	procedures
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Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret familiar workplace procedures, work documentation involving drawings and product specifications
- Writing skills to communicate information in familiar workplace documents
- Numeracy skills to measure and calculate area and estimate material requirements.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Supersedes and not equivalent to MSFFM2011 Apply manufactured board conversion techniques

Supersedes and not equivalent to MSFKB3005 Fabricate cabinets for the built-in environment

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 MSFFM3042 Fabricate cabinetry

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- fabricate cabinetry products from cutting lists or cut plans to workplace standards, including at least 2 of the following:
 - floor cabinet
 - wall cabinet
 - tall cabinet
- as part of the above, at least 5 of the following must be fabricated:
 - end panels
 - shelving
 - bench tops
 - backs
 - bottoms
 - doors and fixing rails
- meet workplace standards for efficiency, including:
 - identifying and resolving routine problems
 - working with others, recognising dependencies and using cooperative approaches to optimise workflow and productivity.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- workplace procedures for:
 - quality standards and procedures
 - guidelines regarding acceptable tolerance levels
 - safety policies and procedures
 - reporting machinery faults and material defects
- workflow process for cabinetry construction
- types and characteristics of manufactured board for cabinetry construction:
 - raw board
 - melamine surfaces

- veneered board
- plywood and hard board
- different types of timber
- types and features of cabinetry product components:
 - end panels
 - shelving
 - bench tops
 - backs
 - bottoms
 - doors and fixing rails
- tools and machinery commonly used in cabinetry construction
- personal protective equipment (PPE) required for cabinetry construction.
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Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - work documentation
 - tools and machinery required for performance evidence
 - PPE
 - unprocessed manufactured board or timber
 - workplace procedures.
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