



Australian Government

MSFFM3025 Construct furniture using leg and rail method

Release: 1

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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 construct and assemble furniture using traditional leg and rail construction methods.

Workers with this competency follow established procedures and designs to make furniture using discretion, judgement and some problem solving.

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 Prepare for task	1.1 Determine task requirements from design and other work documentation 1.2 Plan construction and assembly sequence and identify procedures for checking quality at each stage 1.3 Identify and follow work health and safety procedures 1.4 Select suitable work area for the task 1.5 Complete preparatory drawings and set-outs in accordance with design and other work documentation 1.6 Develop cutting list for components in accordance with design and other work documentation 1.7 Select tools and equipment and check that they are safe and functional 1.8 Check that materials meet task quality requirements
2 Complete construction	2.1 Set out and prepare materials and mark components in accordance with task requirements

	2.2 Use tools, equipment and machinery safely and in accordance with manufacturer specifications 2.3 Check product meets quality requirements at each stage of construction and assembly. 2.4 Make components in accordance with specified shapes, angles or curves, and confirm against set-outs and task requirements 2.5 Assemble components using jigs and/or clamps and fastenings according to task requirements 2.6 Apply adhesives according to workplace procedures and/or manufacturer instructions 2.7 Complete the joining process in accordance with workplace procedures 2.8 Confirm that assembled furniture complies with specifications and rectify any deficiencies 2.9 Prepare product for final finish in accordance with task requirements
3 Finalise task	3.1 Clean work area, safely dispose of waste and identify items for recycling in accordance with workplace procedures and environmental standards 3.2 Clean machinery, complete routine maintenance and leave in a safe mode in accordance with workplace procedures 3.3 Identify, tag and report faulty equipment in accordance with workplace procedures 3.4 Complete job documentation in accordance with workplace procedures

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 and work documentation
- Writing skills to communicate information in familiar workplace documents and make clear and legible markings on materials
- Numeracy skills to measure and calculate lengths and angles and estimate material requirements

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

Unit Mapping Information

Release 1. Supersedes and is equivalent to MSFFM3002 Construct furniture using leg and rail method.

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 MSFFM3025 Construct furniture using leg and rail method

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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:

- construct at least 1 table and 1 chair collectively using 4 different leg and rail joints.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- workplace procedures for:
 - work health and safety
 - reporting machinery faults and material defects
 - quality assurance, including checking:
 - squareness, alignment and wind
 - hardware, fittings and attachments
 - functionality and tolerances
 - compliance with design specifications
 - distortion and product faults
- how to:
 - interpret furniture design documentation
 - prepare drawings and set-outs
- different leg and rail joints and their applications
- basic characteristics of timber types used in furniture construction
- relationship between furniture material selection and structural standards
- basic ergonomic principles and guidelines for furniture construction
- tools and machinery and personal protective equipment (PPE) commonly used in leg and rail construction
- properties of different types of adhesives used in furniture 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:
 - design documentation
 - unprocessed materials for construction
 - tools, equipment and machinery required for performance evidence
 - PPE
 - workplace procedures.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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