

Title	Manufacture prototype furniture		
Level	5	Credits	15

Purpose	People credited with this unit standard are able to prepare to manufacture, and create and assemble components for, prototype furniture.
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Classification	Furniture > Furniture and Cabinet Making
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Available grade	Achieved
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Guidance Information

- 1 Assessment information
This unit standard must be assessed against on-job.
All activities and performance criteria must be carried out in accordance with worksite policies and procedures.
- 2 Personal protective equipment, appropriate to job requirements, must be selected and used in accordance with worksite policies and procedures and manufacturer's instructions.
- 3 Definitions
Design brief refers to documentation used to communicate the design goals of a new furniture product. The design brief may take the form of design drawings and/or written notes on design specifications such as performance, target cost, number of items to be manufactured, and appearance.
Manufacturer's instructions are instructions provided by manufacturers of substances, equipment, and machinery used in furniture making. These instructions may include details on safe and correct handling, use and storage of substances and/or details on substance properties. Examples are labels on substance containers, product data sheets, and operator's manuals.
Worksite policies and procedures refer to documented policies and to documented or other directions provided to staff. These may include, but are not limited to, ways of managing health and safety, environmental considerations, quality, and production, and must conform to legislation. Examples include standard operating procedures, company health and safety plans, on-site briefings, and supervisor's instructions.

Outcomes and performance criteria

Outcome 1

Prepare to manufacture prototype furniture.

Performance criteria

- 1.1 Design brief is obtained and interpreted.
Range drawings, component dimensions, material, construction method.
- 1.2 Cutting list is written in accordance with design brief.
- 1.3 Materials are selected in accordance with cutting list.
- 1.4 Tools and machines required to make the prototype are selected.

Outcome 2

Create and assemble components for prototype furniture.

Performance criteria

- 2.1 Furniture components required for the prototype are drawn in accordance with job specifications.
Range full size set out, Computer Aided Design (CAD) drawing.
- 2.2 Method for producing components is determined in accordance with job specifications.
Range one of – jigs and templates, CAD or Computer Aided Machinery (CAM) programme.
- 2.3 Components are produced in accordance with design brief.
Range dimensions, shape.
- 2.4 Components are assembled into prototype form in accordance with job specifications.
- 2.5 Any necessary adjustments are made to the design to suit the manufacturing capabilities of the workplace.
Range may include but is not limited to – change in construction method, change in material, change in machine use.
- 2.6 Cutting list is written up for the manufacture of components for the prototype.
- 2.7 Quantities of material required for the job are calculated in accordance with the cutting list.
- 2.8 Machines and work area are made clean, clear, and safe.
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Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	10 August 1994	31 December 2023
Review	2	7 May 1997	31 December 2023
Review	3	26 February 2002	31 December 2023
Review	4	19 June 2009	N/A
Review	5	10 December 2020	N/A

Consent and Moderation Requirements (CMR) reference	0173
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.