

Title	Use Computer Aided Design software to generate component drawings		
Level	4	Credits	12

Purpose	People credited with this unit standard are able to use Computer Aided Design (CAD) software to generate component drawings.
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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 Competence must be demonstrated for a curved symmetrical panel.
- 3 Definition
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. For the purposes of this unit standard worksite policies and procedures may also refer to the policies and procedures of an off-job training site.

Outcomes and performance criteria

Outcome 1

Use CAD software to generate component drawings.

Performance criteria

- 1.1 Customer drawing is obtained and interpreted, and drawing information confirmed to be present or obtained.

Range component dimensions, position and size of cut outs, radius of curves, panel thickness.

- 1.2 Construction lines are entered to create the cut size panel in accordance with the drawing information.
- 1.3 Centre line is set in accordance with the cut size panel.
- 1.4 Radius centre points are located, and arcs are drawn, on one side of the panel in accordance with the drawing information.
- 1.5 Fillets are created on one side of the panel in accordance with the drawing information.

Range one of – fillet radius dimensions entered and panel edges to be filleted selected, panel dimensions requiring filleting selected and fillet function activated.
- 1.6 Mirror function is used to create arcs and curves on the other side of the panel.
- 1.7 Final component outline is created in accordance with the drawing information.

Range one of – circles and construction lines trimmed back to arcs, connection points selected and joined to form shape.
- 1.8 Cut-outs are programmed in accordance with the drawing information.
- 1.9 Component drawing is labelled ready for the cutting list.

Range part name, cabinet name, component cut size dimensions, program name, customer’s name and/or job number.
- 1.10 Component drawing is saved.

Replacement information	This unit standard replaced unit standard 2253.
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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	19 June 2009	N/A
Review	2	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 at qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.