

<b>Title</b>	<b>Set and operate a portable router to produce furniture components</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate and apply knowledge of preparing to use a portable router for furniture making; prepare materials for furniture making using a portable router; and use a portable router in furniture making.
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<b>Classification</b>	Furniture > Furniture and Cabinet Making
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<b>Available grade</b>	Achieved
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## Guidance Information

- 1 Assessment information  
This unit standard may be assessed against on-job or off-job.  
Job specifications, equipment used, and job output must conform to current commercial industry practice.  
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 Definition  
*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. 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.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate and apply knowledge of preparing to use a portable router for furniture making.

**Performance criteria**

- 1.1 Job specifications are obtained and interpreted.
- Range component or product to be produced, number of units to be produced, timeframe to complete the job.
- 1.2 Portable router and tooling are selected in accordance with job specifications.
- 1.3 The portable router and tooling are set up in accordance with manufacturer's instructions.
- 1.4 Safety requirements when using a portable router are explained in accordance with manufacturer's instructions.
- 1.5 Routine maintenance of a portable router and tooling are explained in accordance with manufacturer's instructions.
- Range cutting edges, leads and plugs, bearings, worn or damaged parts.
- 1.6 Templates or jigs are made to the correct profile to achieve shape and the dimensions required.

**Outcome 2**

Prepare materials for furniture making using a portable router.

**Performance criteria**

- 2.1 Materials are obtained in accordance with job specifications.
- 2.2 Materials are checked for defects and replaced if necessary.
- Range any of – splits, timber shakes, grain direction, surface damage.
- 2.3 Materials that do not conform to job specifications are identified and disposed of.
- 2.4 Materials are delivered to machine and positioned.

**Outcome 3**

Use a portable router in furniture making.

**Performance criteria**

- 3.1 Pre-start checks are performed in accordance with the manufacturer's recommendations.
- 3.2 Portable router and tooling are used in accordance with job specifications and manufacturer's instructions.

- 3.3 Change of tooling is demonstrated in accordance with manufacturer's instructions.
- 3.4 Any defects in the finished work are identified, marked, and rectified in accordance with job specifications.
- 3.5 Equipment and materials are stored safely and securely.
- 3.6 Portable router, tooling and work area are made clean, clear, and safe.

<b>Planned review date</b>	31 December 2025
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 March 2015	N/A
Review	2	28 January 2021	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.