

<b>Title</b>	<b>Interpret sketches and construct geometric shapes for industrial textile fabrication products</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	People credited with this unit standard are able to: interpret freehand sketches; and perform geometric construction for products in the industrial textile fabrication industry.
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<b>Classification</b>	Industrial Textile Fabrication > Industrial Textile Fabrication Core Skills
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable manufacturer's information, company requirements, industry guidelines and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 2 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the Health and Safety at Work Act 2015; and any subsequent amendments and replacements.
- 3 Definitions  
*Company requirements* refers to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions, product quality specifications and legislative requirements.  
*Industry guidelines* refers to those practices and procedures commonly used as standard procedures to produce items of acceptable merchantable quality in the industrial textile fabrication industry such as related textbook descriptors.  
*Manufacturer's information* refers to technical information for a machine or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.  
*Suitable tools and equipment* refer to industry approved tools and equipment that are recognised within the industry as being the most suited to complete the task in a professional and competent manner with due regard to safe working practices.

## Outcomes and performance criteria

### Outcome 1

Interpret freehand sketches.

Range includes orthographic from pictorial, pictorial from orthographic, isometric.

### Performance criteria

1.1 Sketches are identified and interpreted.

1.2 Baseline and datum points are identified.

1.3 Detailed dimensions and related notes are interpreted.

1.4 Sketches are checked with product specifications.

Range orientation, proportion, dimensions, related notes.

1.5 Interpretation of sketches is verified with supervisor.

### Outcome 2

Perform geometric construction for products in the industrial textile fabrication industry.

### Performance criteria

2.1 Job and product requirements are identified in terms of required geometric construction.

2.2 Selected construction process is checked to meet job specifications.

2.3 Geometric construction is checked to meet job specifications.

2.4 Geometric calculations are checked to meet job specifications.

<b>Planned review date</b>	31 December 2026
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### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	17 August 1999	31 December 2023
Review	2	26 March 2007	31 December 2023
Rollover	3	27 January 2015	31 December 2023
Review	4	25 November 2021	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0014
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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**Comments on this unit standard**

Please contact Hanga-Aro-Rau – Manufacturing, Engineering, and Logistics Workforce Development Council [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to the content of this unit standard.