

## Describe equipment used and cut clothing fabrics using mechanical knives

**Level** 3

**Credits** 6

**Purpose** People credited with this unit standard are able to: describe equipment and operations used in the cutting room; cut multiple plies of fabric; and maintain cutting equipment.

**Subfield** Clothing Manufacture

**Domain** Apparel Cutting and Sewing

**Status** Registered

**Status date** 19 June 2009

**Date version published** 19 June 2009

**Planned review date** 31 December 2015

**Entry information** Open.

**Accreditation** Evaluation of documentation and visit by NZQA and industry.

**Standard setting body (SSB)** Competenz

**Accreditation and Moderation Action Plan (AMAP) reference** 0030

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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### Special notes

- 1 Performance of the elements must comply with the Health and Safety in Employment Act 1992.
- 2 Range
  - Thick or rigid – denim, 9 gauge knitted.
  - Thin or stretch – lycra, nylon, lace, gauze single jersey.
  - Slippery – lycra, nylon.
  - Open – net, lace.

### 3 Definitions

*Workplace procedures* refer to the verbal or documented procedures for performing work activities and include health and safety, operational, environmental, and quality management requirements. They may refer to manuals, manufacturer's specifications, codes of practice, or policy statements.

*Product, style or garment specifications* are all terms for the same document. The terminology varies between workplaces but they all refer to the documentation that accompanies each manufacturing order. This documentation sets out the material to be used for the garment, the size range for manufacturing, the product assembly sequence, product finishing procedures and the component specifications.

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## Elements and performance criteria

### Element 1

Describe equipment and operations used in the cutting room.

#### Performance criteria

1.1 Cutting room equipment is identified and described in terms of function and operation.

Range clamps, weights, knives, notching machine.

1.2 Cutting room ancillary operations are identified and described in terms of function and operation.

Range laying, picking off, bundling, piece numbering, drilling, hot notching.

1.3 Mechanical knives are evaluated in terms of limits of performance and cut accuracy.

Range round knives, straight knives, electric scissors, hot knife, computerised cutting.

### Element 2

Cut multiple plies of fabric.

Range minimum of two plies.

#### Performance criteria

2.1 Cutting order is checked against style specifications.

2.2 Product is cut to specified tolerances according to cutting instructions.

Range round knives, straight knives, electric scissors, hot knife, computerised cutting.

- 2.3 Product is removed from cutting area according to workplace procedures.
- 2.4 Cut waste is removed according to workplace procedures.
- 2.5 Cut work is labelled or identified according to workplace procedures and cutting instructions.
- 2.6 Cut accuracy is checked according to workplace procedures.

### **Element 3**

Maintain cutting equipment.

Range straight knives, round knives, drills, notchers, hot knife, electric scissors.

### **Performance criteria**

- 3.1 Knife blades are sharpened as required and according to manufacturer's specifications.
- 3.2 Equipment is lubricated and adjusted to manufacturer's specifications.
- 3.3 All maintenance procedures are in accordance with workplace procedures.

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### **Please note**

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

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### **Comments on this unit standard**

Please contact [Competenz info@competenz.org.nz](mailto:Competenz info@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.