

## Manufacture timber stairs

**Level** 4

**Credits** 12

**Purpose** People credited with this unit standard are able to: set out stairs; manufacture exterior straight flight stairs, handrails, and balustrades; and manufacture interior stairs, handrails, and balustrades.

**Subfield** Joinery

**Domain** Stairs and Other Joinery Trade Skills

**Status** Registered

**Status date** 23 January 2009

**Date version published** 23 January 2009

**Planned review date** 31 December 2013

**Entry information** Open.

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

**Standard setting body (SSB)** Joinery Industry Training Organisation

**Accreditation and Moderation Action Plan (AMAP) reference** 0073

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

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### Special notes

- 1 All workplace practices must comply with current legislation, codes of practice, and documented site safety procedures for personal, product, and worksite safety.
- 2 Legislation and regulations relevant to this unit standard include but are not limited to – Health and Safety in Employment Act 1992; Health and Safety in Employment Regulations 1995.

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## Elements and performance criteria

### Element 1

Set out stairs.

#### Performance criteria

- 1.1 The type of stair is identified from the working drawings.
- 1.2 On-site measurements are confirmed in accordance with workplace practice.
- 1.3 Materials quantities are determined and an order placed in accordance with workplace practice.
- 1.4 The stairs are set out to conform to the working drawings and the specifications.

### Element 2

Manufacture exterior straight flight stairs, handrails, and balustrades.

Range may include but are not limited to – housed string, cut string, undercarriages; evidence of one is required.

#### Performance criteria

- 2.1 Timber is machined to conform to the set-out and joints are worked in accordance with workplace practice.
- 2.2 Stair is assembled and finished in accordance with workplace practice.
- 2.3 Handrails and balustrades are machined and assembled to conform to the working drawings.

### Element 3

Manufacture interior stairs, handrails, and balustrades.

Range may include but are not limited to – straight flight, quarter turn, quarter turn with winders, dog-leg, open well; closed string, cut string, and under carriages; evidence of one is required.

#### Performance criteria

- 3.1 Timber is machined to conform to the set-out and joints are worked in accordance with workplace practice.
- 3.2 Stair is assembled and finished to the job specifications or in accordance with workplace practice.
- 3.3 Handrails and balustrades are machined and assembled to conform to the working drawings.

- 3.4 Protective measures to ensure workplace safety are employed in accordance with workplace practice.

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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 the Joinery Industry Training Organisation [ceo@jito.org.nz](mailto:ceo@jito.org.nz) if you wish to suggest changes to the content of this unit standard.