

## Demonstrate knowledge of plantation forest harvesting

**Level** 2

**Credits** 3

**Purpose** This unit standard is designed for people employed in forestry operations.

People credited with this unit standard are able to demonstrate knowledge of clearfell forest harvesting operations, and explain quality and value factors in logs.

**Subfield** Forestry

**Domain** Forestry Knowledge

**Status** Registered

**Status date** 22 May 2008

**Date version published** 22 May 2008

**Planned review date** 31 December 2013

**Entry information** Open.

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

**Standard setting body (SSB)** Forest Industries Training and Education Council (FITEC)

**Accreditation and Moderation Action Plan (AMAP) reference** 0173

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

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### Special notes

- 1 People seeking to enter the forest industry may elect to complete this unit standard through a training provider.
- 2 Legislation relevant to forest harvesting operations includes the Health and Safety in Employment Act 1992, the Resource Management Act 1991, and their subsequent amendments.

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## Elements and performance criteria

### Element 1

Demonstrate knowledge of clearfell forest harvesting operations.

#### Performance criteria

- 1.1 Forest harvesting operations are explained.
- Range felling, de-limbing, extraction, log making, fleeting, loading, transportation.
- 1.2 Harvesting systems are identified and their suitability to differing terrain and environmental considerations are explained.
- Range ground based, cable, mechanised, aerial.
- 1.3 Tree felling methods used in forest harvesting operations are described.
- Range manual, mechanised.
- 1.4 De-limbing methods are described.
- Range manual, mechanised.
- 1.5 Landing operations are described.
- Range processing, log making, fleeting, sorting, stacking, loading.
- 1.6 Roles and duties of crew members are defined.
- Range tree feller, breaker out, machine operator, tree processor, log maker.
- 1.7 Legislation relevant to forest harvesting operations is identified.
- Range environment, Health and Safety.

### Element 2

Explain quality and value factors in logs.

#### Performance criteria

- 2.1 Factors affecting log value are explained.
- Range log characteristics, market requirements.

2.2 Factors affecting log quality are explained.

Range           splitting, draw wood, breakage, machine damage, time since felling.

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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 Forest Industries Training and Education Council (FITEC) [info@fitec.org.nz](mailto:info@fitec.org.nz) if you wish to suggest changes to the content of this unit standard.