

Title	Trim and cut tree stems on a landing and assess quality of own processing work		
Level	3	Credits	10

Purpose	<p>This unit standard is intended for people employed in a log making role on a landing in a forestry operation.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of hazards and associated risk and prepare for processing stems on a landing; trim and cut tree stems on a landing; and assess quality of own processing work.</p>
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Classification	Forestry > Forest Landing Operations
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Available grade	Achieved
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Prerequisites	Unit 23411, <i>Operate a chainsaw and carry out basic chainsaw maintenance in a commercial forestry situation</i> , or demonstrate equivalent knowledge and skills.
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Guidance Information

- 1 Legislation relevant to this unit standard includes the Health and Safety at Work (HSW) Act 2015; the Resource Management (National Environmental Standards for Plantation Forestry) Amendment Regulations 2018; and any subsequent amendments.
- 2 References
Approved Code of Practice (ACOP) for Safety and Health in Forestry Operations, December 2012, available from <https://worksafe.govt.nz/>.
 New Zealand Forest Owners Association, *Forest Practice Guides* (2019), and any subsequent amendments, available from <https://www.nzfoa.org.nz>.
- 3 Definitions
Accepted industry practice refers to approved codes of practice and standardised procedures accepted by the wider forestry industry as examples of best practice.
PPE refers to personal protective equipment and may include but is not limited to high-visibility, protective clothing, gloves, face and eye protection, safety helmet, footwear, hearing protection, and safety devices.
Worksite procedures refer to documented procedures used by the organisation carrying out the work and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, site safety procedures, equipment operating procedures, quality assurance procedures,

housekeeping standards, procedures to comply with legislative and local body requirements.

4 Assessment information

This unit standard must be assessed on-job.

All activities and evidence must meet worksite procedures and accepted industry practice.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of hazards and associated risk and prepare for processing stems on a landing.

Performance criteria

- 1.1 PPE and equipment suitable for processing stems is maintained in a safe and serviceable condition.
- Range chainsaw, wedges, protective clothing, fuel and oil containers, first aid equipment, high visibility clothing.
- 1.2 The hazards and associated risks specific to working on a log landing are identified and managed.
- Range stem or log movement, machines on the landing, other workers, ground conditions (underfoot conditions), moving ropes, chainsaw use.
- 1.3 The reason for on-going hazard and risk identification is explained.
- 1.4 Factors that may change hazards or introduce new hazards or risks are described.
- Range weather, change of layout, change of location.
- 1.5 The terms *tension* and *compression* are defined.

Outcome 2

Trim and cut tree stems on a landing.

Performance criteria

- 2.1 Communication requirements for processing stems on a landing are maintained with other workers and machine operators.
- Range may include – audio, visual, hand signals; evidence of two communication requirements is required.

2.2 Chainsaw is used in a safe manner.

Range cutting technique, body position, clear of workers, stance, safe areas.

2.3 Tension and compression are identified and managed as cuts are made.

2.4 Branches and branch stubs are removed.

Range flush with the log, minimal stem damage.

2.5 Stems are trimmed and cut to meet operational requirements.

Range straight cuts, combination cuts, slovens and shattered ends are cut where marked.

2.6 Logs are processed at a rate which meets operational requirements.

2.7 Logs are presented in a prepared state prior to stockpiling and loading.

Outcome 3

Assess quality of own processing work.

Performance criteria

3.1 The benefits of performing quality control on a log making operation are described.

3.2 The quality of their own cross cutting and trimming is checked against specifications.

Range evidence of a minimum of five stems is required.

3.3 Errors identified during self-assessment are remedied where possible, and methods to minimise errors in the future are explained.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	8 November 1996	31 December 2012
Revision	2	19 June 1998	31 December 2012
Review	3	5 December 2000	31 December 2012
Review	4	22 May 2008	31 December 2013
Revision	5	15 September 2011	31 December 2016
Review	6	19 March 2015	N/A
Review	7	25 June 2020	N/A

Consent and Moderation Requirements (CMR) reference	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 if you wish to suggest changes to the content of this unit standard.