

Title	Delimb stems using a static delimber		
Level	4	Credits	8

Purpose	People credited with this unit standard are able to: demonstrate knowledge of planning requirements for static delimiting; demonstrate knowledge of static delimber machine components and machine maintenance; demonstrate knowledge of delimiting tree lengths; and carry out general static delimber operator responsibilities.
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Classification	Forestry > Forest Mechanised Harvesting
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Available grade	Achieved
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Guidance Information

- 1 Assessment information
This unit standard must be assessed on job.
- 2 Definitions
Accepted industry practice refers to approved codes of practice and standardised procedures accepted by the wider forestry industry as examples of best practice.
Job prescription refers to any written instructions for the operation and may include maps, harvest plans or cut plans.
PPE refers to personal protective equipment and may include but is not limited to high-visibility clothing, 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.
- 3 Legislation relevant to this unit standard includes the: Health and Safety at Work (HSW) Act 2015, Resource Management Act 1991; the Resource Management (National Environmental Standards for Plantation Forestry) Amendment Regulations 2018; and the Heritage New Zealand Pouhere Taonga Act 2014, and any subsequent amendments.
- 4 References
New Zealand Forest Owners Association, *Forest Practice Guides* (2019), and any subsequent amendments, available from <http://www.nzfoa.org.nz>.
Approved Code of Practice (ACOP) for Safety and Health in Forestry Operations, December 2012, available from <http://www.worksafe.govt.nz>.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of planning requirements for static delimiting.

Performance criteria

- 1.1 Machine processing capability is described in accordance with the manufacturer's recommendations.
- Range tree diameters, branch size.
- 1.2 Anchoring requirements of a delimiting machine are explained in accordance with the manufacturer's recommendations.
- 1.3 Planning requirements for work area or landing are explained in accordance with accepted industry practice and worksite procedures.
- 1.4 Job prescription requirements relevant to operation of the static delimiting machine are explained.

Outcome 2

Demonstrate knowledge of static delimiting machine components and machine maintenance.

Performance criteria

- 2.1 Components of the delimiting machine are identified and their function explained in accordance with the manufacturer's recommendations.
- Range hydraulics, knives, drive roller, anchors.
- 2.2 Maintenance requirements for static delimiting equipment are described in accordance with the manufacturer's recommendations.
- Range includes but is not limited to – frequency of checks, fault finding, daily and periodic maintenance, maintenance of hydraulic systems, sharpening.

Outcome 3

Demonstrate knowledge of delimiting tree lengths.

Performance criteria

- 3.1 Operating procedure for the static delimiting machine is described in accordance with the manufacturer's recommendations and worksite procedures.

- 3.2 PPE is worn in accordance with the accepted industry practice and worksite procedures.
- 3.3 Hazards and risks are identified and managed in accordance with the accepted industry practice.
- Range may include but is not limited to – stem movement, unstable stockpiles, ground conditions, machine stability, other machines, other workers;
minimum of four examples is required.
- 3.4 The reason for on-going hazard and risk identification is explained in accordance with the accepted industry practice.
- 3.5 Factors that may change hazards and risks or introduce new hazards and risks are described in accordance with accepted industry practice.
- Range change in location of the static delimber, change in landing lay out.
- 3.6 Delimber is anchored to meet operational requirements and the accepted industry practice.
- Range location, safety, stability.
- 3.7 Stems are selected, placed, and fed through the static delimber in accordance with the manufacturer's recommendations.
- 3.8 Delimiting equipment is controlled in accordance with the manufacturer's recommendations.
- 3.9 Stems are delimited to job prescription requirements.
- 3.10 Stems outside capabilities of machine are identified for alternative processing in accordance with worksite procedures.
- 3.11 Delimited stems and logs are placed for removal, stacked, or presented in accordance with machine capabilities and worksite procedures.
- 3.12 Communication is maintained between worksite personnel in accordance with the accepted industry practice.

Outcome 4

Carry out general static delimber operator responsibilities.

Performance criteria

- 4.1 Debris clearance is organised in accordance with worksite procedures.
- 4.2 Manual delimiting of tree lengths outside capabilities of the machine is organised in accordance with worksite procedures.

4.3 Quality requirements of the job prescription are met.

Range includes but is not limited to – stem damage, branch, stubs, manual trimming, environmental.

4.4 Daily maintenance on machine and equipment is carried out in accordance with the manufacturer’s recommendations and worksite procedures.

Planned review date	31 December 2028
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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
Rollover	8	26 April 2024	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 Muka Tangata - People, Food and Fibre Workforce Development Council qualifications@mukatangata.nz if you wish to suggest changes to the content of this unit standard.