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| Title | Prune plantation trees from off the ground | | |
| Level | 3 | Credits | 10 |

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| Purpose | <p>This unit standard is intended for people employed in a pruning role in a forestry operation.</p> <p>People credited with this unit standard are able to: maintain and check equipment used for pruning plantation trees from off the ground; prepare for pruning from off the ground; prune plantation trees to job prescription requirements from off the ground; and demonstrate knowledge of, and assess, pruning quality.</p> |
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| Classification | Forestry > Forest Silvicultural Operations |
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| Available grade | Achieved |
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Guidance Information

- 1 This unit standard must be assessed against on-job and may be achieved through a variable height first lift pruning operation.
- 2 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.
- 3 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>.
- 4 Definitions
Accepted industry practice – 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 – personal protective equipment as required for the task in accordance with accepted industry practice and worksite procedures. This may include but is not limited to high-visibility clothing, protective clothing, gloves, face and eye protection, safety helmet, approved footwear, chaps, 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.

- 5 It is recommended that candidates seeking credit for this unit standard hold prior credit for Unit 1243, *Prune plantation trees from the ground*.

Outcomes and performance criteria

Outcome 1

Maintain and check equipment used for pruning plantation trees from off the ground.

Performance criteria

- 1.1 All items of equipment are maintained in accordance with accepted industry practice.
- Range may include but is not limited to – pruners or loppers, jacksaw, pouch, steps, gauge, epicormic remover, ladder, safety belt or fall restraint (as required).
- 1.2 Spare parts and maintenance tools are checked and available to enable equipment maintenance.
- Range may include but is not limited to – bolts, nuts, cutting blades, saw blades, spanners, screwdriver, sharpening files or stones.
- 1.3 Ladders used meet requirements of accepted industry practice.
- 1.4 Ladders are checked daily and maintained in accordance with accepted industry practice.
- Range rungs and stiles, feet, chain and attachments, top working platform.
- 1.5 Ladder length meets pruning height requirements of the job prescription.
- 1.6 Safety belts and harnesses used meet the requirements of accepted industry practice.
- 1.7 First aid requirements are checked and available in accordance with the requirements of accepted industry practice.

Outcome 2

Prepare for pruning from off the ground.

Performance criteria

- 2.1 PPE is maintained, selected, and worn in accordance with accepted industry practice and worksite procedures.

- 2.2 The risks specific to pruning from off the ground are assessed and controlled in accordance with accepted industry practice.
- 2.3 Key features of the block and boundaries are identified physically on site and on the map in accordance with the job prescription.
- Range may include but is not limited to – distance, block boundaries, access points, exit points, gullies, streams, roads, environmentally or culturally sensitive sites, emergency evacuation point; evidence of six is required.
- 2.4 The reason for on-going risk management is explained in accordance with accepted industry practice.
- 2.5 Factors that may alter risks or introduce new risks are described in accordance with accepted industry practice.
- Range evidence of three factors is required.
- 2.6 The emergency response procedures are identified and described in accordance with worksite procedures.
- 2.7 Requirements for safety belts and harnesses are stated in accordance with accepted industry practice.

Outcome 3

Prune plantation trees to job prescription requirements from off the ground.

Performance criteria

- 3.1 Job prescription is used to establish quality and specific job requirements.
- Range stems per hectare (SPH), pruned height, minimum spacing, selection criteria.
- 3.2 Trees for pruning are selected in accordance with the job prescription and to complement the tree selection of other workers in accordance with accepted industry practice.
- 3.3 Work practice is safe in accordance with accepted forestry industry practice.
- Range where required, safety belts and harnesses are used in accordance with accepted industry practice.
- 3.4 Trees are pruned in accordance with the job prescription.
- 3.5 Work method and work pattern suit the needs of the particular operation in accordance with accepted industry practice, and the job prescription.

- 3.6 Branches and epicormics are removed flush with the branch collar and stem with minimal damage to stems and no defects in accordance with the job prescription.
- 3.7 Ladder and climbing aids are used and handled in accordance with accepted industry practice.
- 3.8 Communication with other crew members ensures pruning requirements are met.

Outcome 4

Demonstrate knowledge of, and assess, pruning quality.

Performance criteria

- 4.1 Processes for maintaining standards of quality within a pruning operation are described in accordance with worksite procedures and accepted industry practice.
- Range may include but is not limited to – plotting, supervision, audits, safe behaviour observations, self-checks, training; evidence of two is required.
- 4.2 The importance of regular quality control procedures within a pruning operation is explained in accordance with accepted industry practice.
- 4.3 Effects of pruning too many or too few stems are described in accordance with accepted industry practice.
- Range may include but is not limited to – operational costs, job efficiency, influence on future operations, decrease in prune crop volume and value, reworks; evidence of four is required.
- 4.4 Effects of incorrect heights (over-prune, under-prune) are explained in accordance with accepted industry practice.
- Range growth, tree death, production rate, tree stress, payment, reworks, infection risk.
- 4.5 Own pruning work is assessed for quality as work progresses to ensure output meets predetermined production and quality requirements.

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| 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 | 28 January 1995 | 31 December 2012 |
| Review | 2 | 8 November 1996 | 31 December 2012 |
| Revision | 3 | 19 June 1998 | 31 December 2012 |
| Review | 4 | 5 December 2000 | 31 December 2012 |
| Review | 5 | 22 May 2008 | 31 December 2012 |
| Revision | 6 | 16 July 2010 | 31 December 2013 |
| Revision | 7 | 15 September 2011 | 31 December 2016 |
| Review | 8 | 19 March 2015 | N/A |
| Review | 9 | 23 April 2020 | N/A |

Consent and Moderation Requirements (CMR) reference

0173

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.