

Title	Plant plantation trees		
Level	3	Credits	10

Purpose	<p>This unit standard is intended for people employed in an establishment role in a commercial forestry operation.</p> <p>People credited with this unit standard are able to: prepare for planting, and plant plantation trees.</p>
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Classification	Forestry > Forest Establishment
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Available grade	Achieved
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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 – 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.

Outcomes and performance criteria

Outcome 1

Prepare for planting plantation trees.

Performance criteria

- 1.1 Work plan is interpreted and explained in terms of natural features, boundaries, and access according to the job prescription and worksite procedures.
- 1.2 Common workflow issues and their resolution are described in accordance with the job prescription and worksite procedures.

Range access, work rate, work technique, work organisation.
- 1.3 The emergency response procedures are identified and described in accordance with worksite procedures.
- 1.4 Environmental requirements for the job are identified and described in accordance with the job prescription and worksite procedures.
- 1.5 Items of equipment required to meet the job prescription are maintained in accordance with manufacturer's recommendations.
- 1.6 PPE is maintained and worn in accordance with accepted industry practice and worksite procedures.
- 1.7 The risks specific to the planting operation are assessed and controlled in accordance with accepted industry practice.
- 1.8 Tree stock health is maintained during storage, handling, transport and delivery in accordance with the job prescription and accepted industry practice.

Range tree-handling techniques, stacking techniques, site storage techniques.

Outcome 2

Plant plantation trees.

Range planting must be carried out in accordance with the job prescription and worksite procedures

Performance criteria

- 2.1 Site for each tree is assessed and selected for spacing, stocking, and conditions for growth.
- 2.2 Planting holes are prepared with spade.

Range depth, width, cultivation, placement.

- 2.3 Unsuitable, damaged, and inferior planting stock is identified and discarded.
- 2.4 Trees are handled in a way that minimises damage.
- 2.5 Trees are planted to job prescription.
- 2.6 Stocking requirements of job prescription are achieved.
- 2.7 Quality control processes used to ensure planting quality, correct spacing, and trees per hectare are described.
- 2.8 Spacing of trees to achieve optimal stocking on flat land and on slopes is explained.
- 2.9 Other crew members are communicated with to ensure planting outcomes are met.
- 2.10 Own planting work is assessed as work progresses to ensure output meets production and quality requirements.

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 2017
Review	8	10 December 2015	N/A
Review	9	23 April 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.