

Title	Transplant amenity trees and shrubs manually		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to: identify trees and shrubs and conditions suitable for transplanting; prepare transplanting hole for trees and shrubs; and transplant trees and shrubs manually.
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Classification	Horticulture > Arboriculture
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Available grade	Achieved
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Guidance Information

- 1 Legislation and standards relevant to this unit standard include but are not limited to:
 - Health and Safety at Work Act 2015;
 - Resource Management Act 1991;
 - BS 3998:2010, *Tree work. Recommendations*, available from www.britishstandard.org.uk;
 - ANSI A300, *Standards for Tree Care Operations* (Parts 1 – 7) and their subsequent amendments, available from www.isa-arbor.com;
 - WorkSafe New Zealand, *Approved Code of Practice Safety and Health in Arboriculture* (2012), available from www.worksafe.govt.nz/worksafe;
 - WorkSafe New Zealand, *Approved Code of Practice for Safety and Health in Tree Work Part 2: Maintenance of trees around power lines* (2017), available from www.worksafe.govt.nz/worksafe;
 - WorkSafe New Zealand, *Approved Code of Practice for Manual Elevating Work Platforms* (2014), available from www.worksafe.govt.nz/worksafe;
 - Waka Kotahi NZ Transport Agency (NZTA), *Code of Practice for Temporary Traffic Management (COPTTM): Part 8 of the Traffic Control Devices Manual (TCD Manual)* (2012), available from www.nzta.govt.nz;
 - New Zealand Arboricultural Association Inc. (NZ Arb), *Best Practice Guide (BPG) for Safety Requirements in New Zealand Arboricultural Operations* (2017), available from www.nzarb.org.nz; and any subsequent amendments.
- 2 Definition
Workplace procedures – the policies and procedures on safety and operation set down by the employer or organisation. Procedures should reflect industry best practice, the BPG, equipment manufacturers' requirements, and current legislation.
- 3 For the purposes of assessment:
 - evidence must be presented in accordance with workplace procedures;
 - specialist lifting equipment such as lifting frames, cranes, and tree spades are not used.

Outcomes and performance criteria

Outcome 1

Identify trees and shrubs and conditions suitable for transplanting.

Performance criteria

1.1 Assess trees and shrubs in terms of their suitability for transplanting.

Range merit of plant, requirements of client, tolerance of trees to disturbance.

1.2 Describe transplanting in terms of critical success factors.

Range includes but is not limited to – access (including clearance from underground utility services), contour, soil characteristics, site requirements and characteristics.

1.3 Identify and control hazards involved in the work to enable work to be completed safely.

Outcome 2

Prepare transplanting hole for trees and shrubs.

Performance criteria

2.1 Calculate required root ball size to minimise transplant shock.

2.2 Prepare the hole and fill to suit root ball size.

2.3 Provide instructions for the machine operator to prepare new plant site in the planned position and of a size suitable for the plant.

Outcome 3

Transplant trees and shrubs manually.

Performance criteria

3.1 Prepare the plant for transplanting in accordance with client requirements.

Range may include but is not limited to – wrenching, pruning, root pruning, regulation of transpiration.

3.2 Extract the root ball with minimal damage to roots.

3.3 Wrap the root ball to protect roots.

3.4 Transport the plant to new site with minimal moisture loss or root disturbance.

3.5 Position the plant in the hole at the planned orientation and depth.

3.6 Fill the hole and provide support.

Range may include but is not limited to – soil firming, staking, guying.

3.7 Provide initial maintenance to the plant in accordance with species and client requirements.

Range may include but is not limited to – fertilising, mulching, protection, watering.

Planned review date	31 December 2025
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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 2023
Revision	2	24 February 1997	31 December 2023
Review	3	23 November 1999	31 December 2023
Revision	4	13 February 2002	31 December 2023
Revision	5	24 February 2006	31 December 2023
Review	6	11 December 2009	31 December 2023
Review	7	25 March 2021	N/A

Consent and Moderation Requirements (CMR) reference	0032
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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 the Primary ITO standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.