

Title	Carry out an arboriculture tree inspection		
Level	5	Credits	5

Purpose	People credited with this unit standard are able to: assess a tree for hazards it presents; assess a tree for vigour and vitality in comparison with trees in a similar situation; assess a tree for features, positive contributions, and negative impacts; and identify and specify tree maintenance requirements.
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Classification	Horticulture > Arboriculture
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Available grade	Achieved
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Guidance Information

- 1 Legislation and references relevant to this 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, *Best Practice Guidelines - Mobile Elevating Work Platforms* (2014), available from www.worksafe.govt.nz/worksafe;
 - New Zealand 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 refer to the policies and procedures on safety and operation set down by the employer or organisation. Workplace 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.

Outcomes and performance criteria

Outcome 1

Assess a tree for hazards it presents.

Performance criteria

- 1.1 Assess a tree for size and any parts that have an increased likelihood to fail.
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| Range | assessments include but are not limited to – form and age of trees, structural defects, exposure of trees to external influences. |
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- 1.2 Assess the area around a tree for items that could become targets of tree failure.
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| Range | targets include but are not limited to – human activities, property, infrastructure. |
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Outcome 2

Assess a tree for vigour and vitality in comparison with trees in a similar situation.

Performance criteria

- 2.1 Determine tree vigour from assessment of growth patterns.
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| Range | assessments include but are not limited to – shoot extension, leaf size, timing and duration of tree growth periods, wound wood development. |
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- 2.2 Determine tree vitality from assessment of vital signs.
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| Range | vital signs include but are not limited to – quality of growth, colour and turgidity of foliage, turgidity and appearance of bark, resistance to or presence of pests and disease, density of canopy. |
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- 2.3 Compare tree vigour and vitality with trees in similar situations to inform a balanced comparison.
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| Range | comparisons may include but are not limited to – species, climate, soil factors, previous treatments, tree structures; evidence of two comparisons is required. |
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Outcome 3

Assess a tree for features, positive contributions, and negative impacts.

Performance criteria

3.1 Assess a tree in terms of its features.

Range features include but are not limited to – girth, top height, crown spread, shape, balance, trueness to type, morphological features.

3.2 Assess a tree's contribution to the landscape in terms of value to owner, ecology and the community.

Range assessments may include but are not limited to – flowers, fruit, shade, foliage, texture, screening, habitat; visual catchment.

3.3 Assess any negative impact of the tree in terms of remedial measures to be recommended that ensure that property rights are respected.

Range negative impacts may include but are not limited to – ownership; problems caused including – shade, dirt, shedding, obscured views; remedial measures may include but are not limited to – pruning, removal.

Outcome 4

Identify and specify tree maintenance requirements.

Performance criteria

4.1 Identify the measure or measures to maximise a tree's asset potential.

Range measures include but are not limited to – removal, pruning, protection, no action.

4.2 Recommend actions that eliminate or minimise hazards to the identified targets.

Range actions may include but are not limited to – tree removal, pruning, bracing, target removal, change of usage to area, no action.

Planned review date	31 December 2026
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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 2000	31 December 2023
Revision	2	24 February 2006	31 December 2023
Review	3	11 December 2009	31 December 2023
Review	4	24 June 2021	N/A
Revision	5	26 May 2022	N/A

Consent and Moderation Requirements (CMR) reference

0032

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.