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| <b>Title</b> | <b>Carry out an arboriculture tree inspection</b> |                |          |
| <b>Level</b> | <b>5</b>  | <b>Credits</b> | <b>5</b> |

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| <b>Purpose</b> | People credited with this unit standard are able to: assess trees for hazards they present; assess and compare trees for vigour and vitality; assess trees for features, positive contributions, and negative impacts; and identify and specify tree maintenance requirements, recommend actions, and prepare documentation. |
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| <b>Classification</b> | Horticulture > Arboriculture |
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| <b>Available grade</b> | 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](http://www.britishstandard.org.uk);
  - ANSI A300, *Standards for Tree Care Operations* (Parts 1 – 7) and their subsequent amendments, available from [www.isa-arbor.com](http://www.isa-arbor.com);
  - WorkSafe New Zealand, *Approved Code of Practice Safety and Health in Arboriculture* (2012), available from [www.worksafe.govt.nz/worksafe](http://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](http://www.worksafe.govt.nz/worksafe);
  - WorkSafe New Zealand, *Best Practice Guidelines - Mobile Elevating Work Platforms* (2014), available from [www.worksafe.govt.nz/worksafe](http://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](http://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](http://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.

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## Outcomes and performance criteria

### Outcome 1

Assess trees for hazards they present.

#### Performance criteria

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

### Outcome 2

Assess and compare trees for vigour and vitality.

#### Performance criteria

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

### Outcome 3

Assess trees for features, positive contributions, and negative impacts.

#### Performance criteria

- 3.1 Assess trees in terms of their features.

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

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

Range assessment includes but is not limited to – flowers, fruit, shade, foliage, texture, screening, habitat; visual catchment.

3.3 Assess any negative impact of trees 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 in terms of maximising the trees' asset potential.

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

4.2 Recommend actions that eliminate, isolate 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.

4.3 Prepare a report of measures to maximise trees' asset potential.

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| <b>Planned review date</b> | 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                      |

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| <b>Consent and Moderation Requirements (CMR) reference</b> | 0032 |
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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### Comments on this unit standard

Please contact the Primary ITO [standards@primaryito.ac.nz](mailto:standards@primaryito.ac.nz) if you wish to suggest changes to the content of this unit standard.