

<b>Title</b>	<b>Prepare for and undertake arboriculture work with cranes, and apply risk management and hazard control</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to: apply risk management and hazard control when preparing to work with cranes in arboriculture work; and prepare for and undertake arboriculture work with cranes.
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<b>Classification</b>	Horticulture > Arboriculture
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<b>Available grade</b>	Achieved
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<b>Prerequisites</b>	Unit 25406, <i>Undertake sectional felling in arboriculture tree work</i> or demonstrate equivalent knowledge and skills.
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### Guidance Information

- 1 Legislation and standards relevant to this unit standard include but are not limited to:
  - Civil Aviation Act 1990;
  - Health and Safety at Work (HSW) Act 2015;
  - Resource Management (National Environmental Standards for Plantation Forestry) Amendment Regulations 2018;
  - *Approved Code of Practice for Cranes*, 2009 (3<sup>rd</sup> edition); and/or the *Approved Code of Practice for Load-lifting Rigging* available from <http://www.business.govt.nz/worksafe/information-guidance/all-guidance-items> and/or the *LEENZ Code of Practice for the Safe Use of Lifting Equipment*; and any subsequent amendments.
- 2 This unit standard does not require the skills to operate a crane.
- 3 Definitions
 

*PPE* refers to personal protective equipment and may include but is not limited to high-visibility, protective clothing, gloves, face and eye protection, safety helmet, footwear, hearing protection, and safety devices.

*Workplace procedures* refer to documented procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Workplace procedures 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.

- 4 For the purposes of assessment:
- evidence must be presented in accordance with workplace procedures.
  - a person who holds Unit 3789, *Sling varied regular loads and safely direct a crane during crane operations*, must be onsite while arboriculture work using cranes is carried out.

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## Outcomes and performance criteria

### Outcome 1

Apply risk management and hazard control when preparing to work with cranes in arboriculture work.

#### Performance criteria

- 1.1 Identify, implement, and document controls to lower the risk for site specific hazards and foreseeable hazards in consultation with the project team.
- Range at least five of – operational hazards during machinery use; vehicles on site; equipment; ground condition; underground services; overhead service lines; trees, buildings, and structures; unauthorised people; adverse weather conditions; simultaneous operations; hazards to the environment.
- 1.2 Develop the rigging plan appropriate to the load and communicate to the people involved with the operation and people in the area of operations in consultation with the project team.
- 1.3 Describe steps to take in the event of unforeseen variations to the rigging plan during arboriculture work.

### Outcome 2

Prepare for and undertake arboriculture work with cranes.

#### Performance criteria

- 2.1 Prepare the section of tree for safe removal.
- 2.2 Determine weight loading and establish suitable rigging for safe positioning of hook attachment.
- 2.3 Communicate with the dogman and crane operator to determine hook in position.
- Range hand signals, radio communication.
- 2.4 Safely attach the load to the crane's allocated lifting sling ensuring the load is balanced or weighted to prevent shock loading on the crane.

2.5 Clearly communicate with the dogman and/or crane operator for timing for taking up the load.

2.6 Safely remove section of tree.

<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	24 June 2021	N/A

<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>.

#### Comments on this unit standard

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