

<b>Title</b>	<b>Demonstrate knowledge of and maintain an aerial ropeway at an extractive site</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	<p>This unit standard is intended for people who are responsible for the maintenance of an aerial ropeway at an extractive site.</p> <p>People credited with this unit standard are, at an extractive site, able to: demonstrate knowledge of the principles of operation of aerial ropeways and of safety procedures for operation of aerial ropeways; carry out aerial station maintenance; carry out tower and bucket maintenance; demonstrate knowledge of rope splicing; and demonstrate knowledge of procedures for shutdowns and breakdowns at an extractive site.</p>
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<b>Classification</b>	Extractive Industries > Surface Extraction
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<b>Available grade</b>	Achieved
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### Guidance Information

- Performance of the outcomes of this unit standard must comply with the following:  
Health and Safety at Work Act 2015 (HSW);  
Health and Safety at Work (General Risk and Workplace Management) Regulations 2016;  
Health and Safety at Work (Worker Engagement, Participation, and Representation) Regulations 2016;  
Approved codes of practice pursuant to the HSW Act;  
*Introduction to the Health and Safety at Work Act 2015 – Special Guide* (WorkSafe New Zealand, 2016) available at [www.worksafe.govt.nz](http://www.worksafe.govt.nz);  
industry best practice.
- Any new, amended, or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.
- Definition  
*Industry best practice* refers to those practices which competent practitioners within the industry recognise as current industry best practice. These may be documented in management plans, managers' rules, occupational health and safety policy, industry guidelines, codes of practice, manufacturers' instructions, site requirements, safe working and/or job procedures (or equivalent).

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of the principles of operation of aerial ropeways at an extractive site.

#### Performance criteria

1.1 The principles of operation of aerial ropeways are described in terms of their use at an extractive site.

Range bi-cable ropeways, mono-cable ropeways, in-feed station, discharge station, intermediate stations.

### Outcome 2

Demonstrate knowledge of safety procedures for operation of aerial ropeways at an extractive site.

#### Performance criteria

2.1 Personal protective equipment worn in the operation of aerial ropeways is identified and its purpose explained.

2.2 Safety procedures are described for the operation of aerial ropeways at an extractive site in accordance with legislation and industry best practice.

2.3 Levels of training required for operation of aerial ropeways are described in terms of safety procedures.

### Outcome 3

Carry out aerial station maintenance at an extractive site.

#### Performance criteria

3.1 Daily routine maintenance of aerial station is performed in accordance with manufacturer's instructions and industry best practice.

3.2 Aerial station is monitored for faults in accordance with industry best practice.

3.3 Documentation relevant to the maintenance of aerial station is completed in accordance with industry best practice.

3.4 Safety procedures and responsibilities are adhered to in accordance with the HSW Act and industry best practice.

### Outcome 4

Carry out tower and bucket maintenance at an extractive site.

**Performance criteria**

- 4.1 Daily routine maintenance of tower and bucket is performed in accordance with manufacturer’s instructions and industry best practice.
- 4.2 Documentation relevant to the maintenance of towers and buckets is completed in accordance with industry best practice.
- 4.3 Safety procedures and responsibilities are adhered to in accordance with the HSW Act and industry best practice.

**Outcome 5**

Demonstrate knowledge of rope splicing for aerial ropeways at an extractive site.

**Performance criteria**

- 5.1 The process used for constructing ropes is described in accordance with industry best practice.
- 5.2 The process used for splicing ropes is described in accordance with industry best practice.

**Outcome 6**

Demonstrate knowledge of procedures for shutdowns and breakdowns of aerial ropeways at an extractive site.

**Performance criteria**

- 6.1 Procedures for shutdowns are described in accordance with industry best practice.  
  
Range       planned and urgent shutdowns;  
                  notification, schedule of work, documentation.
- 6.2 Procedures for breakdowns are described in accordance with industry best practice.  
  
Range       notification, repair, documentation.

<b>Replacement information</b>	This unit standard and unit standard 19735 replaced unit standard 7162.
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<b>Planned review date</b>	31 December 2022
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	24 February 2003	31 December 2019
Review	2	23 April 2007	N/A
Rollover and Revision	3	25 January 2018	N/A

**Consent and Moderation Requirements (CMR) reference**

0114

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact MITO New Zealand Incorporated [info@mito.org.nz](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.