

Title	Demonstrate knowledge of and operate an aerial ropeway at an extractive site		
Level	3	Credits	12

Purpose	<p>This unit standard is intended for people who are responsible for the operation 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; operate a coal in-feed; operate a ropeway to convey coal; operate a discharge station; and perform safety procedures for stockpiling and reclaiming.</p>
----------------	--

Classification	Extractive Industries > Surface Extraction
-----------------------	--

Available grade	Achieved
------------------------	----------

Guidance Information

1 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).

2 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 (Mining Operations and Quarrying Operations) Regulations 2016;

Introduction to the Health and Safety at Work Act 2015, 1st Ed (Wellington: WorkSafe New Zealand, 2016) available at <http://www.worksafe.govt.nz/worksafe/information-guidance/legal-framework/introduction-to-the-hsw-act-2015/special-guide>.

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

Operate a coal in-feed at an extractive site.

Performance criteria

3.1 Prepare to receive and convey coal in accordance with type of coal to be transported and industry best practice.

Range zero bucket counters.

3.2 Pre-start checks are performed in accordance with industry best practice and manufacturer's instructions.

Range feeders, conveyors, surge bin, Programmable Logic Controllers (PLC).

Outcome 4

4.1 Ropeway is operated from in-feed station in accordance with industry best practice.

Range operate control panel, identify coal markers, monitor contamination, monitor bad weather.

4.2 Communication is maintained throughout the operation in accordance with industry best practice.

Range other stations advised.

4.3 Operational servicing and lubrication tasks are carried out on ropeway in accordance with manufacturer's instructions and industry best practice.

4.4 All documentation relevant to operation of ropeway is completed in accordance with industry best practice.

4.5 Operation of ropeway is monitored in accordance with industry best practice.

Range computer screen, visual monitoring.

4.6 Remedial action is taken where a problem is identified in accordance with industry best practice.

Outcome 5

Operate a discharge station at an extractive site.

Performance criteria

5.1 Coal is conveyed to bins or chutes for stockpiling in accordance with the type of coal and industry best practice.

Range shift ploughs, operate control panel, monitor contamination.

5.2 Operation of discharge station is monitored in accordance with industry best practice.

5.3 Remedial action is taken where a problem is identified in accordance with industry best practice.

5.4 Boxes are removed for repair in accordance with industry best practice.

Range notification, box removal, box replacement.

5.5 Operational servicing and lubrication tasks are carried out on discharge station in accordance with manufacturer's instructions and industry best practice.

5.6 Documentation relevant to operation of discharge station is completed in accordance with industry best practice.

Outcome 6

Perform safety procedures for stockpiling and reclaiming at an extractive site.

Performance criteria

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

Range notification, communication, operation of machinery.

Replacement information	This unit standard and unit standard 19734 replaced unit standard 7162.
--------------------------------	---

Planned review date	31 December 2022
----------------------------	------------------

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 if you wish to suggest changes to the content of this unit standard.