

National Certificate in Extractive Industries (Mining Administration) with strands in A Grade Tunnel Manager, and Coal Mine Underviewer

Level 5 or 6

Credits 91 or 95

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2023.

Transition Arrangements

Version 3 of this qualification was republished in June 2021 to include DAS exemption arrangements for unit standard 7145.

Version 3 of this qualification was republished in July 2020 to extend the last date of entry into programmes leading to this qualification from 31 December 2019 to 31 December 2021. The last date for assessment was also extended for this qualification from 31 December 2021 to 31 December 2023.

Version 3 was also republished in December 2018 to include DAS exemption arrangements for unit standards 15660 and 21823.

This qualification has been reviewed and replaced by the New Zealand Diploma in Mining and Quarrying (Supervision) (Level 5) with strands in Surface and Underground [Ref: 2787].

The last date for entry into programmes leading to this qualification is 31 December 2021.

The last date for assessment of this qualification is 31 December 2023, when the qualification will be discontinued.

People currently working towards this qualification may either complete the requirements by 31 December 2023 or transfer their results to the replacement qualification.

For detailed information see [Review Summaries](#) on the NZQA website.

This qualification contains expiring standards that have been replaced by later standards. Exemptions have been included in this qualification so people can complete the qualification using either the expiring or replacement standards to meet the requirements of the qualification.

For the purpose of this qualification, people who have gained credit for the replacement standards are exempt from the requirement to gain credit for the expiring standards – see table below.

Credit for	Exempt from
30903	15660
30904	21823

This qualification contains standards where there is a suitable alternative standard on the DAS. Exemptions have been included in this qualification so people can complete the qualification using either standard to meet the requirements of the qualification.

For the purpose of this qualification, people who have gained credit for the alternative standard are exempt from the requirement to gain credit for the listed standards – see table below.

Credit for	Exempt from
30898	7145

It is the intention of MITO New Zealand Incorporated that no existing trainee should be disadvantaged by these transition arrangements. Any person who considers they have been disadvantaged may appeal to MITO New Zealand Incorporated using the contact details below.

NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	March 2010	June 2011
Revision	2	January 2011	December 2023
Review	3	August 2015	December 2023
Republished	3	September 2017	December 2023
Republished	3	December 2018	December 2023
Republished	3	July 2020	December 2023
Republished	3	June 2021	December 2023

Standard Setting Body

MITO New Zealand Incorporated
PO Box 10803
Wellington 6143

Telephone 0800 88 2121
Fax 04 494 0006
Email info@mito.org.nz
Website www.mito.org.nz

National Certificate in Extractive Industries (Mining Administration) with strands in A Grade Tunnel Manager, and Coal Mine Underviewer

Level 5 or 6

Credits 91 or 95

Purpose

The National Certificate in Extractive Industries (Mining Administration) with strands in A Grade Tunnel Manager, and Coal Mine Underviewer is designed for A Grade Tunnel Managers or Coal Mine Underviewers as part of the requirements for their statutory status.

Holders of this qualification are able to demonstrate knowledge and skills related to: planning rehabilitation operations; designing, establishing, and maintaining effective ventilation systems; geology for underground extraction; evaluating and implementing plans to manage old workings and inundations in underground sites.

The A Grade Tunnel Manager strand contains standards that recognise the additional specific skills and knowledge required for that role. These include analysis and selection of mining and transportation plant; evaluation of ground conditions and design of support methods for underground mines and tunnels; and knowledge of tunnelling methods.

The Coal Mine Underviewer strand contains standards that recognise the additional specific skills and knowledge required for that role. These include knowledge and application of survey methods at an extraction site; interpretation of underground extractive site plans; analysis and selection of mining and transportation plant; and knowledge of processes related to settling ponds at extraction sites.

People who have gained this qualification with the A Grade Tunnel Manager strand and the National Certificate in Extractive Industries (Mining Administration B Grade Tunnel Manager) (Level 5) [Ref: 1535] will have been awarded all the standards required for the Certificate of Competence as an A Grade Tunnel Manager.

People who have gained this qualification with the Coal Mine Underviewer strand and the National Certificate in Extractive Industries (Mining Administration B Grade Tunnel Manager) (Level 5) [Ref: 1535] with the optional strand in Coal Mine Deputy will have been awarded all the standards required for the Certificate of Competence as a Coal Mine Underviewer.

However, there are additional statutory requirements that must be met before these Certificates of Competence can be awarded. Please refer to the special notes for further details about the additional requirements.

The National Certificate in Extractive Industries (Mining Administration) with strands in A Grade Tunnel Manager, and Coal Mine Underviewer [Ref: 1538] builds on the National Certificate in Extractive Industries (Mining Administration B Grade Tunnel Manager) (Level 5) with an optional strand in Coal Mine Deputy [Ref: 1535], which is a prerequisite for award of this qualification.

This qualification can lead on to the National Diploma in Extractive Industries (Mining Administration) (Level 6) with strands in First Class Mine Manager, and First Class Coal Mine Manager [Ref: 1539].

Special Notes

The content of this national qualification is based on the requirements of the gazette notice relating to the mining administration regulations and Certificates of Competence. People who have completed the requirements of this qualification may be eligible to apply for a Coal Mine Underviewer’s Certificate of Competence or an A Grade Tunnel Manager’s Certificate of Competence.

For details of additional statutory requirements to be met before Certificates of Competence can be awarded, candidates should refer to the *Requirements of Holders of Certificates of Competence* (Department of Labour, 2008).

Credit Range

	Core Compulsory	A Grade Tunnel Manager Strand	Coal Mine Underviewer Strand
Level 3 credits	-	-	12
Level 4 credits	10	-	9
Level 5 credits	20	15	10
Level 6 credits	15	35	15
Minimum totals	45	50	46
Qualification total with strand		95	91
Qualification level with strand		6	5

Requirements for Award of Qualification

Award of NZQF National Qualifications

Credit gained for a standard may be used only once to meet the requirements of this qualification.

Unit standards and achievement standards that are equivalent in outcome are mutually exclusive for the purpose of award. The table of mutually exclusive standards is provided on the New Zealand Qualifications Authority (NZQA) website: <http://www.nzqa.govt.nz/qualifications-standards/standards/standards-exclusion-list/>.

Reviewed standards that continue to recognise the same overall outcome are registered as new versions and retain their identification number (ID). Any version of a standard with the same ID may be used to meet qualification requirements that list the ID and/or that specify the past or current classification of the standard.

Summary of Requirements

- Prior award of National Certificate in Extractive Industries (Mining Administration B Grade Tunnel Manager) (Level 5) [Ref: 1535]
- Core Compulsory standards

One of the following strands is required

- A Grade Tunnel Manager Strand
- Coal Mine Underviewer Strand

Detailed Requirements

Core Compulsory

The following standards are required

Engineering and Technology > Extractive Industries > Extractive Industries Management

ID	Title	Level	Credit
21151	Demonstrate knowledge of planning rehabilitation operations of an extractives site	6	15

Engineering and Technology > Extractive Industries > Underground Extraction

ID	Title	Level	Credit
7145	Design, establish, and maintain effective ventilation systems for an underground mine	5	20
15666	Demonstrate knowledge of geology for underground extraction	4	10

A Grade Tunnel Manager Strand

The following standards are required

Engineering and Technology > Extractive Industries > Extractive Industries Management

ID	Title	Level	Credit
15660	Analyse and select mining and transportation plant for a metalliferous underground extractive site	6	15

Engineering and Technology > Extractive Industries > Underground Extraction

ID	Title	Level	Credit
15662	Evaluate ground conditions and design support methods for underground mines and tunnels	6	20
15669	Demonstrate knowledge of tunnelling methods	5	15

Coal Mine Underviewer Strand

The following standards are required

Engineering and Technology > Extractive Industries > Extractive Industries Management

ID	Title	Level	Credit
17743	Demonstrate knowledge of survey principles and apply to an extraction site	4	4
17744	Read and interpret an underground extractive site plan	4	5
21823	Analyse and select mining and transportation plant for underground coalmines	6	15

Engineering and Technology > Extractive Industries > Surface Extraction

ID	Title	Level	Credit
21153	Demonstrate and apply knowledge of dewatering, pump maintenance, and cleaning settling ponds at extraction sites	3	12

Engineering and Technology > Extractive Industries > Underground Extraction

ID	Title	Level	Credit
21629	Evaluate and implement plans to manage old workings and inundations in underground sites	5	10

Previous version of the qualification

Version 2 was issued to correct an error in the standards listings in order to ensure alignment with the requirements of the gazette notice relating to the mining administration regulations and Certificates of Competence. Changes to structure and content included: Standard 21629 was moved from the Core Compulsory to the Coal Mine Underviewer Strand; Core Compulsory credits decreased from 55 to 45; Coal Mine Underviewer Strand credits increased from 36 to 46; total credits required changed from 91 or 105 to 95 or 101; and title of standard 21153 was updated.

This qualification contains standards that replace earlier standards. For the purposes of this qualification, people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

Credit for	Exempt from
7168	21151
8894	21153
15659	21823
17746	21629

Certification

This certificate will display the logos of NZQA, MITO New Zealand (Incorporated) and the organisation that has been granted consent to assess against standards that meet the requirements of the qualification (accredited).

Classification

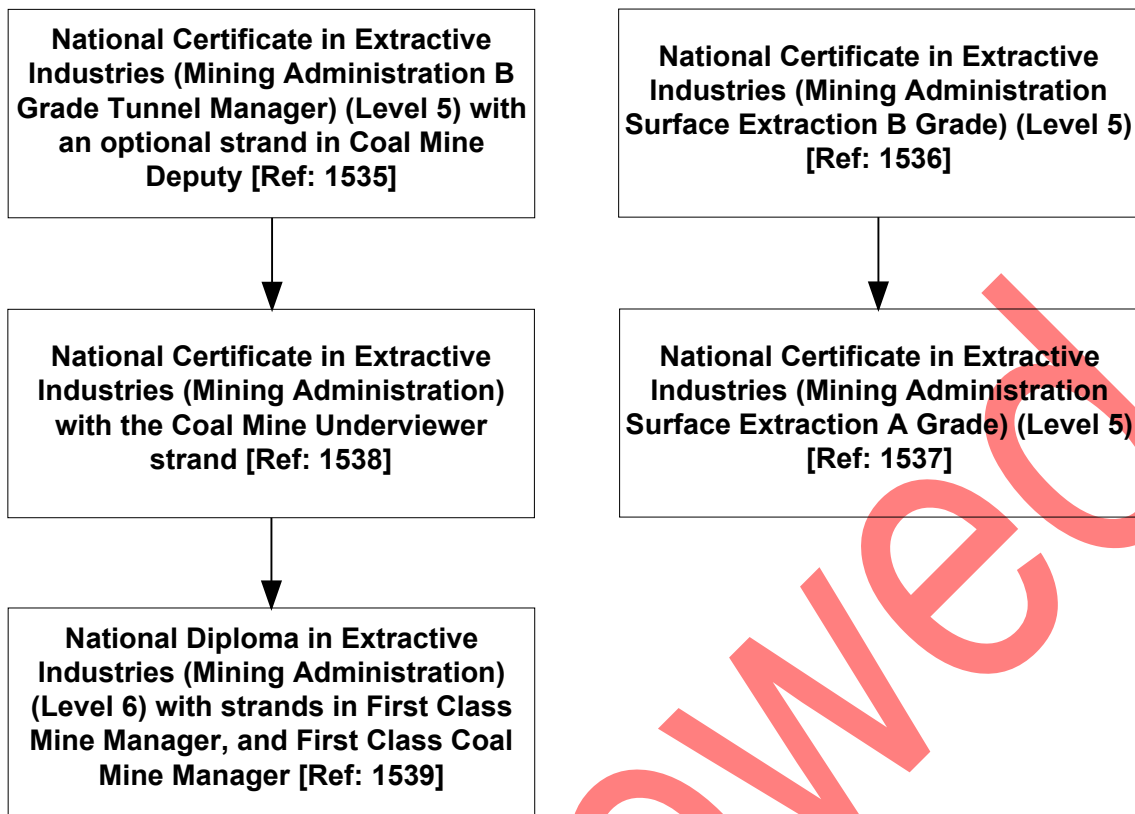
This qualification is classified according to the classification system listed on the Directory of Assessment Standards (DAS) and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

DAS Classification		NZSCED	
Code	Description	Code	Description
323	Engineering and Technology > Extractive Industries	030303	Engineering and Related Technologies > Process and Resources Engineering > Mining and Resources Engineering

Quality Management Systems

Providers and Industry Training Organisations must be granted consent to assess by a recognised Quality Assurance Body before they can register credits from assessment against standards. Organisation with consent to assess and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Consent to assess requirements and the moderation system are outlined in the associated Consent and Moderation Requirements (CMR) for each standard.

Qualification Prerequisite Diagram



REVIEWED