

## National Certificate in Extractive Industries (Mining Administration B Grade Tunnel Manager) (Level 5) with an optional strand in Coal Mine Deputy

<b>Level</b>	<b>5</b>
<b>Credits</b>	<b>140</b>

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

### Transition Arrangements

Version 4 of this qualification was republished in June 2021 to include DAS exemption arrangements for unit standards 8899, 17705 and 21281.

Version 4 of this qualification was republished in July 2020 to extend the last date of entry into programmes from 31 December 2019 to 31 December 2021. The last date for assessment was extended from 31 December 2021 to 31 December 2023.

Version 4 of this qualification was republished in December 2018 to include reverse transition arrangements for expired unit standards 8899 and 15672.

Version 4 of this qualification was republished in October 2015 to include changes made for the Version 3 republication.

This qualification was reviewed and replaced by the New Zealand Certificate in Mining and Quarrying (First-line Supervision) (Level 4) with strands in Surface and Underground [Ref: 2783].

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This qualification contains expiring standards that have been replaced by later standards.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.

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
31091	8899
30905	15672

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
30899	17705
30900	21281
32283	8899

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 2012
Revision	3	July 2011	December 2023
Republished	3	June 2015	December 2023
Review	4	August 2015	December 2023
Republished	4	October 2015	December 2023
Republished	4	September 2017	December 2023
Republished	4	December 2018	December 2023
Republished	4	July 2020	December 2023
Republished	4	June 2021	December 2023

## Standard Setting Body

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Reviewed

## **National Certificate in Extractive Industries (Mining Administration B Grade Tunnel Manager) (Level 5) with an optional strand in Coal Mine Deputy**

<b>Level</b>	<b>5</b>
<b>Credits</b>	<b>140</b>

### **Purpose**

The National Certificate in Extractive Industries (Mining Administration B Grade Tunnel Manager) (Level 5) with an optional strand in Coal Mine Deputy is designed for B Grade Tunnel Managers or Coal Mine Deputies as part of the requirements for their statutory status.

Holders of this qualification are able to demonstrate knowledge and skills related to: application of regulatory requirements to manage an extractive site; inspecting and reporting on extractive site and operations; reviewing and implementing plans for extractives operations; planning storage of processed product; the Mines Rescue Service; conducting an incident investigation; conducting safety checks on equipment; basic knowledge and ability for working underground; developing, and maintaining basic ventilation systems for an underground mine or tunnels; installing, and reassessing support systems; supplying, maintaining, delivering, and storing services; shutting down and isolating machines and equipment; and interpreting and testing for gases in the context of an underground extractives site.

People who have completed the Core Compulsory section of this qualification will have been awarded all the standards required for the Certificate of Competence as a B Grade Tunnel Manager. However, there are additional statutory requirements that must be met before the Certificate of Competence can be awarded. Please refer to the special notes for further details about the additional requirements.

Holders of the optional strand will have completed the additional standards required for the Certificate of Competence as a Coal Mine Deputy. However, as above, there are additional statutory requirements that must be met before the Certificate of Competence can be awarded. Please refer to the special notes for further details about the additional requirements.

The optional standards have been included to provide the opportunity for candidates to complete the additional requirements for Certificates of Competence to be awarded in workplace situations where explosives are used.

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

While this qualification has unit standards in common with the National Certificate in Extractive Industries (Supervision) (Level 5) with strands in Surface Extraction, and Underground Extraction [Ref: 1523], it is intended only to cover the role-specific technical requirements of the relevant Certificates of Competence and is not intended to be part of the same qualification pathway.

The qualification pathway that includes the the National Certificate in Extractive Industries (Supervision) (Level 5) with strands in Surface Extraction, and Underground Extraction [Ref: 1523], is intended for those in a wide range of industry roles and develops additional skills and knowledge relating to extractive industries worksites such as team work and people management, organisational requirements and management, and health and safety.

## 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 B Grade Tunnel Manager's Certificate of Competence or a Coal Mine Deputy'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	Optional Standards	Coal Mine Deputy Optional Strand
Level 2 credits	11	-	-
Level 3 credits	18	10	-
Level 4 credits	53	10	50
Level 5 or above credits	58	-	-
Minimum totals	140	-	-

## 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

- Core Compulsory standards

The following strands are optional

- Coal Mine Deputy Optional Strand

## Detailed Requirements

### Core Compulsory

The following standards are required

Community and Social Services > Community and Workplace Fire and Emergency Management > Workplace Fire and Emergency Response

ID	Title	Level	Credit
3271	Suppress fire with hand extinguishers and fixed hose reels	2	1

Engineering and Technology > Extractive Industries > Extractive Industries Management

ID	Title	Level	Credit
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site	6	25
7143	Inspect and report on extractive site and operations	5	10
7144	Review and implement plans for ongoing operations of an extractive site	5	15
8899	Plan storage for product processed at extractive sites	4	8
15672	Demonstrate knowledge of the Mines Rescue Service	2	2
16686	Conduct an incident investigation at an extraction site	5	8

Engineering and Technology > Extractive Industries > Surface Extraction

ID	Title	Level	Credit
8922	Conduct safety checks prior to equipment usage at an extractives site	2	2

Engineering and Technology > Extractive Industries > Underground Extraction

ID	Title	Level	Credit
7146	Demonstrate basic knowledge and ability required to work in an underground mine	2	6
17705	Describe, develop, and maintain basic ventilation systems for an underground mine or tunnel	4	15
21278	Describe, install, and reassess support systems for an underground mine	4	15
21281	Interpret and test for gases in an underground extraction site	4	15

ID	Title	Level	Credit
21821	Supply, maintain, deliver, and store services for an underground mine	3	15

Engineering and Technology > Mechanical Engineering > Maintenance and Diagnostics in Mechanical Engineering

ID	Title	Level	Credit
2401	Safely shut down and isolate machines and equipment	3	3

### Coal Mine Deputy Optional Strand

The following standards are required

Engineering and Technology > Extractive Industries > Extractive Industries Management

ID	Title	Level	Credit
17691	Use mathematics to solve problems in an extractive industries workplace	4	15

Engineering and Technology > Extractive Industries > Underground Extraction

ID	Title	Level	Credit
21661	Demonstrate knowledge of the use of electrical reticulation plant and equipment in underground mines	4	10
21662	Demonstrate knowledge of development and extraction plant and methods for underground coal mining	4	15
22057	Demonstrate knowledge of fluid power systems used in underground mines and tunnels	4	10

### Optional standards

The following standards are optional

Engineering and Technology > Extractive Industries > Extractive Industries Management

ID	Title	Level	Credit
17694	Demonstrate knowledge of explosives and their properties	3	10
21152	Demonstrate and apply knowledge of storing explosives for use in extractive industries	4	10

### Previous versions of the qualification

Version 4 of this qualification was republished to extend the last dates of entry and assessment. Credit for standard 28742 cannot be used as an exemption for standard 7142. This applies to version 3 and version 4 of this qualification.

Version 3 of this qualification was republished to allow standard 28742 to be used for certificate of competence requirements required by the Health and Safety in Employment (Mining Operations and Quarrying Operations) Regulations 2013.

Version 3 of this qualification was issued following a revision. Changes to structure and content included: standard 21912 was removed from the Core Compulsory as it was no longer necessary as a prerequisite for standard 2401; level and credits for standard 17694 were updated; title of standard 21152 was updated; and total credits required decreased from 142 to 140.

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
7147	21278
8890	21152
8919	21821
12632	21281
18704	22057

Version 2 was issued to remove a prerequisite requirement that was no longer necessary. Changes to structure and content included: standard 21818 was removed from the Core Compulsory; and the total credits required decreased from 152 to 142.

### **Other standard setting bodies whose standards are included in the qualification**

Competenz

### **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.

REVIEWING

### Qualification Prerequisite Diagram

