

National Diploma in Extractive Industries (Mining Administration) (Level 6) with strands in First Class Mine Manager, and First Class Coal Mine Manager

Level	6
Credits	209 or 224

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2020.

Transition Arrangements

This qualification has been reviewed and replaced by the New Zealand Diploma in Mining and Quarrying (Management) (Level 6) [Ref: 2788].

The last date for entry into programmes leading to this qualification is 31 December 2017.

The last date for assessment of this qualification is 31 December 2020, when the qualification will be discontinued.

People currently working towards this qualification may either complete the requirements by 31 December 2017 or transfer their results to the replacement qualification.

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

NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	March 2010	December 2020
Republished	1	September 2010	December 2020
Review	2	August 2015	December 2020

Standard Setting Body

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National Diploma in Extractive Industries (Mining Administration) (Level 6) with strands in First Class Mine Manager, and First Class Coal Mine Manager

Level	6
Credits	209 or 224

Purpose

The National Diploma in Extractive Industries (Mining Administration) (Level 6) with strands in First Class Mine Manager, and First Class Coal Mine Manager is designed for First Class Mine Managers or First Class Mine Coal Managers as part of the requirements for their statutory status.

Holders of this qualification are able to demonstrate skills and knowledge related to water flow, pumps, and structures; crushing and screening plant; theoretical mechanics for extractive industries; preparing and implementing safety plans for surface face and benching operations; constructing and maintaining access roads; maintaining working surfaces; selecting excavation and transportation plant; designing and maintaining stockpiles and sloping surfaces; geology and geological features; environmental impacts; ground conditions and support systems; and underground ventilation systems.

The First Class Mine Manager strand contains standards that recognise the additional specific skills and knowledge required for that role. These include knowledge of the geological nature of surface extraction sites; review of consent conditions and knowledge of the use of water at surface extraction sites; and knowledge of mining methods for metalliferous mines.

The First Class Coal Mine Manager strand contains a standard that recognises the additional specific knowledge of mining methods for underground coal required for that role.

People who have gained this qualification with the First Class Mine Manager strand and the National Certificate in Extractive Industries (Mining Administration) [Ref: 1538] with the Coal Mine Underviewer strand will have been awarded all the standards required for the Certificate of Competence as a First Class Mine Manager.

People who have gained this qualification with the First Class Coal Mine Manager strand and the National Certificate in Extractive Industries (Mining Administration) [Ref: 1538] with the Coal Mine Underviewer strand will have been awarded all the standards required for the Certificate of Competence as a First Class Coal Mine Manager.

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 Diploma in Extractive Industries (Mining Administration) (Level 6) with strands in First Class Mine Manager, and First Class Coal Mine Manager [Ref: 1539] builds on the National Certificate in Extractive Industries (Mining Administration) with strands in A Grade Tunnel Manager, and Coal Mine Underviewer [Ref: 1538]. The National Certificate in Extractive Industries (Mining Administration) [Ref: 1538] with the Coal Mine Underviewer strand is a prerequisite for award of this qualification.

This is a capstone qualification.

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 First Class Mine Manager's Certificate of Competence or a First Class Coal Mine 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

	Compulsory	First Class Mine Manager Strand	First Class Coal Mine Manager Strand
Level 2 credits	2	-	-
Level 3 credits	3	15	-
Level 4 credits	32	-	-
Level 5 credits	72	-	-
Level 6 credits	80	20	20
Totals	189	35	20
Qualification total with strand		224	209
Qualification level with strand		6	6

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) [Ref: 1538] with Strand Coal Mine Underviewer
- Compulsory standards

One of the following strands is required

- First Class Mine Manager Strand
- First Class Coal Mine Manager Strand

Detailed Requirements

Compulsory

The following standards are required

Engineering and Technology > Extractive Industries > Extractive Industries Management

ID	Title	Level	Credit
15658	Select excavation and transportation plant for surface extraction	4	8
17693	Explain and determine water flow, select pumps, and structures for an extraction site	6	20
22056	Demonstrate knowledge of theoretical mechanics for extractive industries	5	20
25878	Demonstrate knowledge of crushing and screening plant for extractive industries	4	15

Engineering and Technology > Extractive Industries > Surface Extraction

ID	Title	Level	Credit
8902	Prepare and implement safety plans for surface face and benching operations	4	4
8905	Construct and maintain access roads within surface extraction sites	3	3
8909	Maintain working surfaces at surface extraction sites	2	2
15663	Design and maintain stockpiles and sloping surfaces in surface excavations and stockpiles	6	20
15665	Demonstrate knowledge of the geology of surface extraction	4	5
15667	Demonstrate knowledge of extraction methods and the effects of geological features on these methods	5	10
21154	Demonstrate knowledge of procedures to minimise environmental impact at an extraction site	5	7
21156	Plan, implement, and describe surface extraction production to minimise environmental impacts	5	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
15662	Evaluate ground conditions and design support methods for underground mines and tunnels	6	20
21280	Demonstrate knowledge of and design an effective ventilation system in an underground mine	6	20

First Class Mine Manager Strand

The following standards are required

Engineering and Technology > Extractive Industries > Surface Extraction

ID	Title	Level	Credit
15664	Demonstrate knowledge of the geological nature of surface extraction sites	3	5
21155	Review consent conditions and demonstrate knowledge of the use of water at surface extraction sites	3	10

Engineering and Technology > Extractive Industries > Underground Extraction

ID	Title	Level	Credit
15670	Demonstrate knowledge of mining methods for metalliferous mines	6	20

First Class Coal Mine Manager Strand

The following standard is required

Engineering and Technology > Extractive Industries > Underground Extraction

ID	Title	Level	Credit
15668	Demonstrate knowledge of mining methods for underground coal	6	20

Transition Arrangements

Version 1 was republished to add an exemption from standard 25878 for people with credit for expired standard 15661 – see table below.

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
7169	21280
8910	21154

Credit for	Exempt from
8912	21155
8913	21156
15661	25878
15671	22056
21157	25878

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

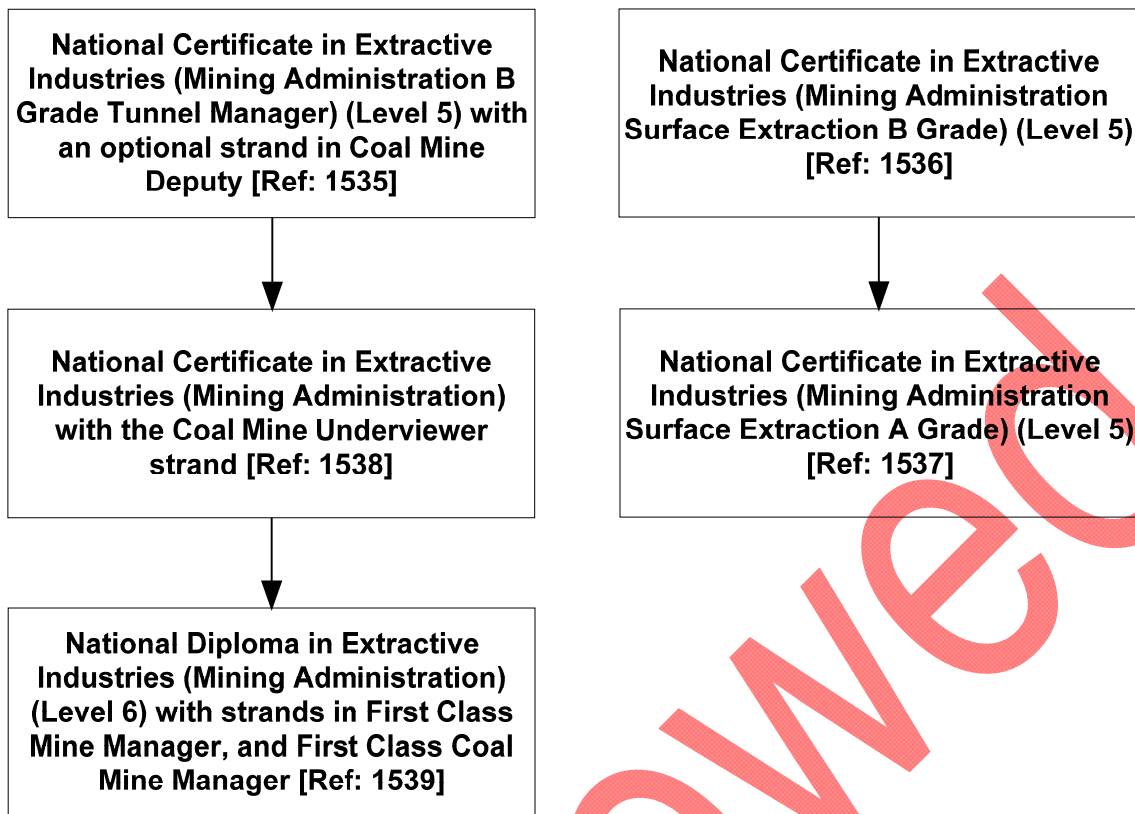
This qualification is classified according to the classification system listed on the Directory of Assessment Standards (DAS) and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

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. Accredited providers and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Accreditation requirements and the moderation system are outlined in the associated Accreditation and Moderation Action Plan (AMAP) for each standard.

Qualification Prerequisite Diagram



REVIEWED