



Mahi Haumaru Aotearoa

Health and Safety at Work (Mining Operations and Quarrying Operations—Prescribed
Competency Requirements for Certificates of Competence) Safe Work Instrument 2023 as at
12 November 2025

WorkSafe New Zealand Consolidation

WorkSafe New Zealand consolidation

WorkSafe has developed a consolidated version of this safe work instrument (SWI) so that you can see the original SWI and all its subsequent amendments in a single easy-to-read document.

Disclaimer

This is the current consolidated version of the Health and Safety at Work (Mining Operations and Quarrying Operations—Prescribed Competency Requirements for Certificates of Competence) Safe Work Instrument 2023.

This version:

- has been compiled from the Health and Safety at Work (Mining Operations and Quarrying Operations—Prescribed Competency Requirements for Certificates of Competence) Safe Work Instrument 2023 and its amendments
- is based on the law as it stood as at 12 November 2025
- has been developed by WorkSafe New Zealand for reference only and has no official status

The official SWI and its amendments, approved by the Minister for Workplace Relations and Safety, are on our website: www.worksafe.govt.nz

History

The Health and Safety at Work (Mining Operations and Quarrying Operations—Prescribed Competency Requirements for Certificates of Competence) Safe Work Instrument 2023 came into force on 18 July 2023 and now incorporates the following amendments.

Amendment	Commencement date
Amendment	
Health and Safety at Work (Mining Operations and Quarrying Operations—Prescribed Competency Requirements for Certificates of Competence) Amendment Safe Work Instrument 2025	30 June 2025

Summary of Amendments

Amendments	Content amended
Amendment	
Health and Safety at Work (Mining Operations and Quarrying Operations—Prescribed Competency Requirements for Certificates of Competence) Amendment Safe Work Instrument 2025	<p>New clause 4A inserted (Transitional, savings, and related provisions)</p> <p>New Schedule 1AA inserted (Transitional, savings, and related provisions)</p> <p>Schedule 1 amended (Site senior executive unit standards)</p> <p>Schedule 2 amended (First-class mine manager unit standards)</p> <p>Schedule 3 amended (First-class coal mine manager unit standards)</p> <p>Schedule 4 amended (A-grade opencast coal mine manager unit standards)</p> <p>Schedule 5 amended (B-grade opencast coal mine manager unit standards)</p> <p>Schedule 6 amended (A-grade metalliferous mine manager unit standards)</p> <p>Schedule 7 amended (B-grade metalliferous mine manager unit standards)</p> <p>Schedule 8 amended (A-grade quarry manager unit standards)</p> <p>Schedule 9 amended (B-grade quarry manager unit standards)</p> <p>Schedule 10 amended (Manager of specified quarrying operation unit standards)</p> <p>Schedule 11 amended (A-grade alluvial mine manager unit standards)</p> <p>Schedule 12 amended (B-grade alluvial mine manager unit standards)</p> <p>Schedule 13 amended (A-grade tunnel manager unit standards)</p> <p>Schedule 14 amended (B-grade tunnel manager unit standards)</p>

Health and Safety at Work (Mining Operations and Quarrying Operations—Prescribed Competency Requirements for Certificates of Competence) Safe Work Instrument 2023

WorkSafe New Zealand Consolidation as at 12 November 2025

	<p>Schedule 15 amended (Coal mine interviewer unit standards)</p> <p>Schedule 16 amended (Coal mine deputy unit standards)</p> <p>Schedule 17 amended (Gas monitor unit standards)</p> <p>Schedule 18 amended (Electrical superintendent unit standards)</p> <p>Schedule 19 amended (Mechanical superintendent unit standards)</p> <p>Schedule 21 amended (Ventilation officer unit standards)</p>
--	--



Health and Safety at Work (Mining Operations and Quarrying Operations—Prescribed Competency Requirements for Certificates of Competence) Safe Work Instrument 2023

WorkSafe New Zealand Consolidation as at 12 November 2025

This safe work instrument is made under section 227 of the Health and Safety at Work Act 2015 by the Minister for Workplace Relations and Safety, being satisfied that appropriate consultation has been carried out under section 227(3) of that Act.

Contents

	Page
1 Title	4
2 Commencement	4
Part 1	
Preliminary provisions	
3 Overview	4
4 Interpretation	4
4A Transitional, savings, and related provisions	6
Part 2	
Competency requirements for certificates of competence	
5 Applicants for issue of certificate of competence to meet prescribed competency requirements	6
6 Expiry and replacement of unit standards	6
Subpart A—Certificates of competence	
7 Site senior executive certificate of competence	6
	1

Health and Safety at Work (Mining Operations and Quarrying Operations—Prescribed Competency Requirements for Certificates of Competence) Safe Work Instrument 2023

WorkSafe New Zealand Consolidation as at 12 November 2025

8	First-class mine manager certificate of competence	7
9	First-class coal mine manager certificate of competence	7
10	A-grade opencast coal mine manager certificate of competence	8
11	B-grade opencast coal mine manager certificate of competence	10
12	A-grade metalliferous mine manager certificate of competence	11
13	B-grade metalliferous mine manager certificate of competence	11
14	A-grade quarry manager certificate of competence	12
15	B-grade quarry manager certificate of competence	13
16	Certificate of competence as manager of specified quarrying operation	14
17	A-grade alluvial mine manager certificate of competence	15
18	B-grade alluvial mine manager certificate of competence	16
19	A-grade tunnel manager certificate of competence	18
20	B-grade tunnel manager certificate of competence	18
21	Coal mine underviewer certificate of competence	19
22	Coal mine deputy certificate of competence	20
23	Gas monitor certificate of competence	21
24	Electrical superintendent certificate of competence	21
25	Mechanical superintendent certificate of competence	22
26	Mine surveyor certificate of competence	24
27	Ventilation officer certificate of competence	24
28	Winding engine driver certificate of competence	25

Subpart B—Additional competency requirements

29	Additional competency requirements for work in operations using explosives	25
30	Additional competency requirements for work underground	26
31	Additional competency requirements for work in operations involving coal extraction	26

Part 3

Competency requirements for renewal and continuation

Subpart A—Renewal and continuation of certificates of competence

32	Applicants for renewal of certificate of competence to meet prescribed requirements	26
33	Person holding life-time quarry manager certificate of competence to meet prescribed CPD requirements	27
34	CPD requirements apply regardless of whether work carried out under certificate of competence	27

Subpart B—CPD requirements

35	Application of this subpart	27
36	Prescribed CPD requirements	27

Claimable CPD activities and required CPD hours

37	Claimable CPD activities	27
38	CPD hours required generally	28
39	CPD hours required in particular cases	28

Schedule 1AA

Transitional, savings and related provisions

Schedule 1

Site senior executive unit standards

Schedule 2

First-class mine manager unit standards

Schedule 3

First-class coal mine manager unit standards

Schedule 4

A-grade opencast coal mine manager unit standards

Schedule 5

B-grade opencast coal mine manager unit standards

Schedule 6

A-grade metalliferous mine manager unit standards

Schedule 7

B-grade metalliferous mine manager unit standards

A-grade quarry manager unit standards

Schedule 9

B-grade quarry manager unit standards

Schedule 10

Manager of specified quarrying operation unit standards

Schedule 11

A-grade alluvial mine manager unit standards

Schedule 12

B-grade alluvial mine manager unit standards

Schedule 13

A-grade tunnel manager unit standards

Schedule 14

B-grade tunnel manager unit standards

Schedule 15

Coal mine underviewer unit standards

Schedule 16

Coal mine deputy unit standards

Schedule 17

Gas monitor unit standards

Schedule 18

Electrical superintendent unit standards

Schedule 19

Mechanical superintendent unit standards

Schedule 20

Mine surveyor unit standards

Schedule 21

Ventilation officer unit standards

Schedule 22

Winding engine driver unit standards

Schedule 23

CPD activities

Safe Work Instrument

1 Title

This is the Health and Safety at Work (Mining Operations and Quarrying Operations—Prescribed Competency Requirements for Certificates of Competence) Safe Work Instrument 2023.

2 Commencement

This safe work instrument comes into force on 18 July 2023.

**Part 1
Preliminary provisions**

3 Overview

In this safe work instrument:

- (a) Part 2 and Schedules 1 to 22 specify requirements for the issue of certificates of competence, including the qualifications, experience, and skills required by applicants:
- (b) (b) Part 3 and Schedule 23 specify requirements for the renewal and continuation of certificates of competence, including CPD requirements for certificates of competence.

4 Interpretation

- (1) In this safe work instrument, unless the context otherwise requires,—

5-year period means the 5-year period commencing from the date of issue of the certificate of competence

Act means the Health and Safety at Work Act 2015

additional competency requirements means the additional competency requirements specified in subpart B of Part 2

area of learning means learning in the following areas:

- (a) operating and safety systems:
- (b) legislation:
- (c) emergency management:
- (d) leadership

back-bye work means general work performed behind the working faces as opposed to work done at the working faces

Board means the New Zealand Mining Board of Examiners established under clause 27 of Schedule 3 of the Act

certificate of competence means a certificate issued by the Board under regulation 41 of the Regulations

CPD means continuing professional development

CPD activities—

- (a) means the CPD activities specified in clause 37; and
- (b) does not include normal duties or business as usual activities

examination means an oral examination, or other examination, or both

holder means a person who holds a certificate of competence

lifetime quarry manager certificate of competence means a certificate of competence continued under clause 7(5) of Schedule 1 of the Regulations

NZQA means the New Zealand Qualifications Authority continued under section 430 of the Education and Training Act 2020

panel of examiners means a panel approved by the Board to conduct an examination of an applicant for the purpose of considering whether to issue a certificate of competence

Regulations means the Health and Safety at Work (Mining Operations and Quarrying Operations) Regulations 2016

restricted activity means an activity described in Part 2 of Schedule 23

unit standard means a standard listed on the Directory of Assessment and Skill Standards referred to in section 437 of the Education and Training Act 2020

unrestricted activity means an activity described in Part 1 of Schedule 23.

-
- (2) A reference in this safe work instrument to a required period of work experience means the total period of work experience and is not limited to one continuous period.
- (3) Any term or expression that is defined in the Act or the Regulations and used, but not defined, in this safe work instrument has the same meaning as in the Act or the Regulations.

4A Transitional, savings, and related provisions

The transitional, savings, and related provisions set out in Schedule 1AA have effect according to their terms.

Part 2
Competency requirements for certificates of competence

5 Applicants for issue of certificate of competence to meet prescribed competency requirements

- (1) An applicant for the issue of a certificate of competence must meet the competency requirements prescribed in subpart A of this Part for that certificate.
- (2) An applicant for the issue of a certificate of competence must meet any applicable additional competency requirements prescribed in subpart B of this Part for that certificate.

6 Expiry and replacement of unit standards

- (1) If an applicant is required to pass a unit standard specified in this safe work instrument that expires and is replaced with a new unit standard (as verified by the NZQA), the applicant may pass either the unit standard specified in this safe work instrument or the replacement unit standard.
- (2) If a unit standard specified in this safe work instrument is a replacement of a unit standard that has expired (as verified by the NZQA), an applicant who has passed the expired unit standard may be treated as having passed the unit standard specified in this safe work instrument.

Subpart A—Certificates of competence

7 Site senior executive certificate of competence

- (1) An applicant for a certificate of competence as a site senior executive must—
- (a) have passed all of the unit standards set out in Schedule 1; and
 - (b) have the experience described in subclause (2); and
 - (c) pass an examination referred to in subclause (3).
- (2) The applicant must satisfy the Board that they have at least 12 months' work experience in the extractives industry in a management role that is acceptable to the Board.
- (3) The applicant must satisfy a panel of examiners, by way of examination, that they—

-
- (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

8 First-class mine manager certificate of competence

- (1) An applicant for a certificate of competence as a first-class mine manager must—
 - (a) have passed all of the unit standards set out in Schedule 2; and
 - (b) have the experience described in subclause (2); and
 - (c) pass an examination referred to in subclause (3); and
 - (d) hold a current first aid certificate.
- (2) The applicant must satisfy the Board that they have at least 3 years' work experience in the underground workings of a mining operation or tunnelling operation (including any period served in the course of study), including at least—
 - (a) 2 years in a mining operation; and
 - (b) 9 months carrying out 3 or more of the following types of work at a mining operation or tunnelling operation:
 - (i) development operations (excluding operating tunnel boring machines);
 - (ii) extraction operations;
 - (iii) installation of ground support;
 - (iv) filling operations;
 - (v) shaft sinking;
 - (vi) installation and maintenance of services.
- (3) The applicant must satisfy a panel of examiners, by way of examination, that they—
 - (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

9 First-class coal mine manager certificate of competence

- (1) An applicant for a certificate of competence as a first-class coal mine manager must—
 - (a) have passed all of the unit standards set out in Schedule 3; and
 - (b) have the experience described in subclauses (3) or (4), as applicable; and
 - (c) pass an examination referred to in subclause (5); and
 - (d) hold a current first aid certificate.
- (2) Subclause (3) applies if the applicant—

-
- (a) has a degree in Mineral Technology (Mining) conferred by the University of Otago; or
 - (b) has a qualification in mining from another institution that the NZQA recognises as equivalent to a 4-year bachelor's degree in mining.
 - (3) An applicant referred to in subclause (2) must satisfy the Board that they have at least 3 years' work experience in the underground workings of a coal mining operation (including any period served in the course of study), including at least—
 - (a) 6 months actively engaged in the development and extraction of coal and support of the face openings; and
 - (b) 6 months carrying out back-bye work involving all of the following activities:
 - (i) preparing for and installing mechanical or hydraulic transport of coal:
 - (ii) building permanent or temporary stoppings:
 - (iii) installation of auxiliary ventilation:
 - (iv) installation of ground support:
 - (v) installation and maintenance of services.
 - (4) If subclause (3) does not apply, the applicant must satisfy the Board that they have at least 5 years' work experience in the underground workings of a coal mining operation, including at least—
 - (a) 2 years actively engaged in the development and extraction of coal and support of the face openings; and
 - (b) 12 months carrying out back-bye work involving all of the following activities:
 - (i) preparing for and installing mechanical or hydraulic transport of coal:
 - (ii) building permanent or temporary stoppings:
 - (iii) installation of auxiliary ventilation:
 - (iv) installation of ground support:
 - (v) installation and maintenance of services.
 - (5) The applicant must satisfy a panel of examiners, by way of examination, that they—
 - (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

10 A-grade opencast coal mine manager certificate of competence

- (1) An applicant for a certificate of competence as an A-grade opencast coal mine manager must—
 - (a) have passed all of the unit standards set out in Schedule 4; and

-
- (b) if the applicant intends to work at an opencast coal mining operation that uses explosives, have also passed the additional unit standards set out in clause 29; and
 - (c) either—
 - (i) hold a certificate of competence as a B-grade opencast coal mine manager, A-grade or B-grade quarry manager, or A-grade or B-grade alluvial mine manager; or
 - (ii) have the experience described in subclause (2) or (3); and
 - (d) pass an examination referred to in subclause (4); and
 - (e) hold a current first aid certificate.
 - (2) Under this subclause, the applicant has the required experience if they satisfy the Board that they have at least 2 years' work experience in the workings of an opencast mining operation, quarrying operation, or alluvial mining operation, including at least 9 months carrying out 3 or more of the following types of work:
 - (a) excavation:
 - (b) drill and blast:
 - (c) load and haul:
 - (d) processing:
 - (e) stockpile and loadout:
 - (f) coal exploration.
 - (3) Under this subclause, the applicant has the required experience if they satisfy the Board that they have work experience of at least—
 - (a) 2 years in the underground workings of a mining operation; and
 - (b) 12 months in the workings of an alluvial mining operation, opencast mining operation, or quarrying operation, including at least 9 months carrying out 3 or more of the following types of work:
 - (i) excavation:
 - (ii) drill and blast:
 - (iii) load and haul:
 - (iv) processing:
 - (v) stockpile and loadout:
 - (vi) coal exploration.
 - (4) The applicant must satisfy a panel of examiners, by way of examination, that they—
 - (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

11 B-grade opencast coal mine manager certificate of competence

- (1) An applicant for a certificate of competence as a B-grade opencast coal mine manager must—
- (a) have passed all of the unit standards set out in Schedule 5; and
 - (b) if the applicant intends to work at an opencast coal mining operation that uses explosives, have also passed the additional unit standards set out in clause 29; and
 - (c) either—
 - (i) hold a certificate of competence as an A-grade or B-grade quarry manager or A-grade or B-grade alluvial mine manager; or
 - (ii) have the experience described in subclause (2) or (3); and
 - (d) pass an examination referred to in subclause (4); and
 - (e) hold a current first aid certificate.
- (2) Under this subclause, the applicant has the required experience if they satisfy the Board that they have at least 2 years' work experience in the workings of an opencast mining operation, quarrying operation, or alluvial mining operation, including at least 9 months carrying out 3 or more of the following types of work in an opencast mine or quarry:
- (a) excavation:
 - (b) drill and blast:
 - (c) load and haul:
 - (d) processing:
 - (e) stockpile and loadout:
 - (f) coal exploration.
- (3) Under this subclause, the applicant has the required experience if they satisfy the Board that they have work experience of at least—
- (a) 2 years in the underground workings of a mining operation; and
 - (b) 12 months in the workings of an alluvial mining operation, opencast mining operation, or quarrying operation, including at least 9 months carrying out 3 or more of the following types of work:
 - (i) excavation:
 - (ii) drill and blast:
 - (iii) load and haul:
 - (iv) processing:
 - (v) stockpile and loadout:
 - (vi) coal exploration.
- (4) The applicant must satisfy a panel of examiners, by way of examination, that they—

-
- (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

12 A-grade metalliferous mine manager certificate of competence

- (1) An applicant for a certificate of competence as an A-grade metalliferous mine manager must—
 - (a) have passed all of the unit standards set out in Schedule 6; and
 - (b) have the experience described in subclause (2); and
 - (c) pass an examination referred to in subclause (3); and
 - (d) hold a current first aid certificate.
- (2) The applicant must satisfy the Board that they have at least 2 years' work experience in the underground workings of a mining operation or tunnelling operation (including any periods served in the course of study), including at least—
 - (a) 12 months in the underground workings of a metalliferous mining operation; and
 - (b) 9 months carrying out 3 or more of the following types of work in an underground mine:
 - (i) development operations (excluding operating tunnel boring machines);
 - (ii) extraction operations;
 - (iii) installation of ground support systems
 - (iv) filling operations;
 - (v) shaft sinking;
 - (vi) installation and maintenance of services.
- (3) The applicant must satisfy a panel of examiners, by way of examination, that they—
 - (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

13 B-grade metalliferous mine manager certificate of competence

- (1) An applicant for a certificate of competence as a B-grade metalliferous mine manager must—
 - (a) have passed all of the unit standards set out in Schedule 7; and
 - (b) have the experience described in subclause (2); and
 - (c) pass an examination referred to in subclause (3); and
 - (d) hold a current first aid certificate.

-
- (2) The applicant must satisfy the Board that they have at least 2 years' work experience in the underground workings of a mining operation or tunnelling operation (including any periods served in the course of study), including at least—
- (a) 12 months in a metalliferous mining operation; and
 - (b) 9 months carrying out 3 or more of the following types of work in an underground mine:
 - (i) development operations (excluding operating tunnel boring machines):
 - (ii) extraction operations:
 - (iii) installation of ground support systems:
 - (iv) filling operations:
 - (v) shaft sinking:
 - (vi) installation and maintenance of services.
- (3) The applicant must satisfy a panel of examiners, by way of examination, that they—
- (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

14 A-grade quarry manager certificate of competence

- (1) An applicant for a certificate of competence as an A-grade quarry manager must—
- (a) have passed all of the unit standards set out in Schedule 8; and
 - (b) if the applicant intends to work at a quarrying operation that uses explosives, have also passed the additional unit standards set out in clause 29; and
 - (c) either—
 - (i) hold a certificate of competence as an A-grade or B-grade opencast coal mine manager, B-grade quarry manager, or A-grade or B-grade alluvial mine manager; or
 - (ii) have the experience described in subclause (2) or (3); and
 - (d) pass an examination referred to in subclause (4); and
 - (e) hold a current first aid certificate.
- (2) Under this subclause, the applicant has the required experience if they satisfy the Board that they have at least 2 years' work experience in the workings of an opencast mining operation, quarrying operation, or alluvial mining operation, including at least 9 months carrying out 3 or more of the following types of work:
- (a) excavation:
 - (b) drill and blast:
 - (c) load and haul:

- (d) processing:
 - (e) stockpile and loadout.
- (3) Under this subclause, the applicant has the required experience if they satisfy the Board that they have work experience of at least—
 - (a) 2 years in the underground workings of a mining operation; and
 - (b) 12 months in the workings of an alluvial mining operation, opencast mining operation, or quarrying operation, including at least 9 months carrying out 3 or more of the following types of work:
 - (i) excavation:
 - (ii) drill and blast:
 - (iii) load and haul:
 - (iv) processing:
 - (v) stockpile and loadout.
- (4) The applicant must satisfy a panel of examiners, by way of examination, that they—
 - (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

15 B-grade quarry manager certificate of competence

- (1) An applicant for a certificate of competence as a B-grade quarry manager must—
 - (a) have passed all of the unit standards set out in Schedule 9; and
 - (b) if the applicant intends to work at a quarrying operation that uses explosives, have also passed the additional unit standards set out in clause 29; and
 - (c) either—
 - (i) hold a certificate of competence as an A-grade or B-grade opencast coal mine manager or A-grade or B-grade alluvial mine manager; or
 - (ii) have the experience described in subclause (2) or (3); and
 - (d) pass an examination referred to in subclause (4); and
 - (e) hold a current first aid certificate.
- (2) Under this subclause, the applicant has the required experience if they satisfy the Board that they have at least 2 years' work experience in the workings of an opencast mining operation, quarrying operation, or alluvial mining operation, including at least 9 months carrying out 3 or more of the following types of work:
 - (a) excavation:
 - (b) drill and blast:
 - (c) load and haul:

- (d) processing:
 - (e) (e) stockpile and loadout.
- (3) Under this subclause, the applicant has the required experience if they satisfy the Board that they have work experience of at least—
 - (a) 2 years in the underground workings of a mining operation; and
 - (b) 12 months in the workings of an alluvial mining operation, opencast mining operation, or quarrying operation, including at least 9 months carrying out 3 or more of the following types of work:
 - (i) excavation:
 - (ii) drill and blast:
 - (iii) load and haul:
 - (iv) processing:
 - (v) stockpile and loadout.
- (4) The applicant must satisfy a panel of examiners, by way of examination, that they—
 - (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

16 Certificate of competence as manager of specified quarrying operation

- (1) An applicant for a certificate of competence as a manager of a specified quarrying operation must—
 - (a) satisfy the Board that the quarrying operation to be specified in the certificate of competence falls within the parameters set out in subclause (2); and
 - (b) have passed all of the unit standards set out in Schedule 10; and
 - (c) either—
 - (i) hold a certificate of competence as an A-grade or B-grade opencast coal mine manager, A-grade or B-grade quarry manager, or A-grade or B-grade alluvial mine manager; or
 - (ii) have the experience described in subclause (3) or (4); and
 - (d) pass an examination referred to in subclause (5); and
 - (e) hold a current first aid certificate.
- (2) For the purposes of subclause (1)(a), the parameters are that—
 - (a) no more than 4 quarry workers ordinarily work at the site at any one time; and
 - (b) explosives are not used; and
 - (c) the base of any excavation carried out at the quarrying operation is no more than 5 metres from the surface; and

-
- (d) there are no voids or underground workings within the planned extraction zone; and
 - (e) no worker is required to work below the surface level of any body of fluid; and
 - (f) the actual processing rate does not exceed an average of 1,000 tonnes per week; and
 - (g) the quarry will be operating for a period or periods that total at least 24 months; and
 - (h) any tip head or stockpiles at the operation are less than 5 metres high.
 - (3) Under this subclause, the applicant has the required experience if they satisfy the Board that they have at least 2 years' work experience in the workings of an opencast mining operation, quarrying operation, or alluvial mining operation, including at least 9 months carrying out 3 or more of the following types of work:
 - (a) excavation:
 - (b) drill and blast:
 - (c) load and haul:
 - (d) processing:
 - (e) stockpile and loadout.
 - (4) Under this subclause, the applicant has the required experience if they satisfy the Board that they have work experience of at least—
 - (a) 2 years in the underground workings of a mining operation; and
 - (b) 12 months in the workings of an alluvial mining operation, opencast mining operation, or quarrying operation, including at least 9 months carrying out 3 or more of the following types of work:
 - (i) excavation:
 - (ii) drill and blast:
 - (iii) load and haul:
 - (iv) processing:
 - (v) stockpile and loadout.
 - (5) The applicant must satisfy a panel of examiners, by way of examination, that they—
 - (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

17 A-grade alluvial mine manager certificate of competence

- (1) An applicant for a certificate of competence as an A-grade alluvial mine manager must—
 - (a) have passed all of the unit standards set out in Schedule 11; and

-
- (b) if the applicant intends to work at an alluvial mining operation that uses explosives, have also passed the additional unit standards set out in clause 29; and
 - (c) either—
 - (i) hold a certificate of competence as an A-grade or B-grade opencast coal mine manager, A-grade or B-grade quarry manager, or B-grade alluvial mine manager; or
 - (ii) have the experience described in subclause (2) or (3); and
 - (d) pass an examination referred to in subclause (4); and
 - (e) hold a current first aid certificate.
- (2) Under this subclause, the applicant has the required experience if they satisfy the Board that they have at least 2 years' work experience in the workings of an opencast mining operation, quarrying operation, or alluvial mining operation, including at least 9 months carrying out 3 or more of the following types of work:
- (a) excavation:
 - (b) drill and blast:
 - (c) load and haul:
 - (d) processing:
 - (e) stockpile and loadout.
- (3) Under this subclause, the applicant has the required experience if they satisfy the Board that they have work experience of at least—
- (a) 2 years in the underground workings of a mining operation; and
 - (b) 12 months in the workings of an alluvial mining operation, opencast mining operation, or quarrying operation, including at least 9 months carrying out 3 or more of the following types of work:
 - (i) excavation:
 - (ii) drill and blast:
 - (iii) load and haul:
 - (iv) processing:
 - (v) stockpile and loadout.
- (4) The applicant must satisfy a panel of examiners, by way of examination, that they—
- (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

18 B-grade alluvial mine manager certificate of competence

- (1) An applicant for a certificate of competence as a B-grade alluvial mine manager must—

- (a) have passed all of the unit standards set out in Schedule 12; and
 - (b) if the applicant intends to work at an alluvial mining operation that uses explosives, have also passed the additional unit standards set out in clause 29; and
 - (c) either—
 - (i) hold a certificate of competence as an A-grade or B-grade opencast coal mine manager or A-grade or B-grade quarry manager; or
 - (ii) have the experience described in subclause (2) or (3); and
 - (d) pass an examination referred to in subclause (4); and
 - (e) hold a current first aid certificate.
- (2) Under this subclause, the applicant has the required experience if they satisfy the Board that they have at least 2 years' work experience in the workings of an opencast mining operation, quarrying operation, or alluvial mining operation, including at least 9 months carrying out 3 or more of the following types of work:
 - (a) excavation:
 - (b) drill and blast:
 - (c) load and haul:
 - (d) processing:
 - (e) stockpile and loadout.
- (3) Under this subclause, the applicant has the required experience if they satisfy the Board that they have work experience of at least—
 - (a) 2 years in the underground workings of a mining operation; and
 - (b) 12 months in the workings of an alluvial mining operation, opencast mining operation, or quarrying operation, including at least 9 months carrying out 3 or more of the following types of work:
 - (i) excavation:
 - (ii) drill and blast:
 - (iii) load and haul:
 - (iv) processing:
 - (v) stockpile and loadout.
- (4) The applicant must satisfy a panel of examiners, by way of examination, that they—
 - (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

19 A-grade tunnel manager certificate of competence

- (1) An applicant for a certificate of competence as an A-grade tunnel manager must—
 - (a) have passed all of the unit standards set out in Schedule 13; and
 - (b) if the applicant intends to work at a tunnelling operation that uses explosives, have also passed the additional unit standards set out in clause 29; and
 - (c) have the experience described in subclause (2); and
 - (d) pass an examination referred to in subclause (3); and
 - (e) hold a current first aid certificate.
- (2) The applicant must satisfy the Board that they have at least 2 years' work experience in the underground workings of a mining operation or tunnelling operation (including any periods served in the course of study), including at least—
 - (a) 12 months in the underground workings of a tunnelling operation; and
 - (b) 9 months carrying out 3 or more of the following types of work in an underground mining or tunnelling operation:
 - (i) excavation activities or development;
 - (ii) materials handling;
 - (iii) installation and maintenance of services;
 - (iv) installation of ground support;
 - (v) shaft sinking.
- (3) The applicant must satisfy a panel of examiners, by way of examination, that they—
 - (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

20 B-grade tunnel manager certificate of competence

- (1) An applicant for a certificate of competence as a B-grade tunnel manager must—
 - (a) have passed all of the unit standards set out in Schedule 14; and
 - (b) if the applicant intends to work at a tunnelling operation that uses explosives, have also passed the additional unit standards set out in clause 29; and
 - (c) have the experience described in subclause (2); and
 - (d) pass an examination referred to in subclause (3); and
 - (e) hold a current first aid certificate.
- (2) The applicant must satisfy the Board that they have at least 2 years' work experience in the underground workings of a mining operation or tunnelling operation (including any periods served in the course of study), including at least—
 - (a) 12 months in the underground workings of a tunnelling operation; and

-
- (b) 9 months carrying out 3 or more of the following types of work in an underground mining or tunnelling operation:
 - (i) excavation activities or development:
 - (ii) materials handling:
 - (iii) installation and maintenance of services:
 - (iv) installation of ground support:
 - (v) shaft sinking.
 - (3) The applicant must satisfy a panel of examiners, by way of examination, that they—
 - (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

21 Coal mine underviewer certificate of competence

- (1) An applicant for a certificate of competence as a coal mine underviewer must—
 - (a) have passed all of the unit standards set out in Schedule 15; and
 - (b) have the experience described in subclause (3) or (4); and
 - (c) pass an examination referred to in subclause (5); and
 - (d) hold a current first aid certificate.
- (2) Subclause (3) applies if the applicant—
 - (a) has a degree in Mineral Technology (Mining) conferred by the University of Otago; or
 - (b) has a qualification in mining from another institution that the NZQA recognises as equivalent to a 4-year bachelor's degree in mining.
- (3) An applicant referred to in subclause (2) must satisfy the Board that they have at least 3 years' work experience in the underground workings of a coal mining operation (including any period served in the course of study), including at least—
 - (a) 6 months actively engaged in the development and extraction of coal and support of the face openings; and
 - (b) 6 months of back-bye work involving all of the following activities:
 - (i) preparing for, and installing, mechanical or hydraulic transport of coal:
 - (ii) building permanent or temporary stoppings:
 - (iii) installation of auxiliary ventilation:
 - (iv) installation of ground support:
 - (v) installation and maintenance of services.

-
- (4) If subclause (3) does not apply, the applicant must satisfy the Board that they have at least 5 years' work experience in the underground workings of a coal mining operation, including at least—
- (a) 2 years actively engaged in the development and extraction of coal and support of the face openings; and
 - (b) 12 months of back-bye work involving all of the following activities:
 - (i) preparing for, and installing, mechanical or hydraulic transport of coal:
 - (ii) building permanent or temporary stoppings:
 - (iii) installation of auxiliary ventilation:
 - (iv) installation of ground support:
 - (v) installation and maintenance of services.
- (5) The applicant must satisfy a panel of examiners, by way of examination, that they—
- (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

22 Coal mine deputy certificate of competence

- (1) An applicant for a certificate of competence as a coal mine deputy must—
- (a) have passed all of the unit standards set out in Schedule 16; and
 - (b) have the experience described in subclause (3) or (4); and
 - (c) pass an examination referred to in subclause (5); and
 - (d) hold a current first aid certificate.
- (2) Subclause (3) applies if the applicant—
- (a) has a degree in Mineral Technology (Mining) conferred by the University of Otago; or
 - (b) has a qualification in mining from another institution that the NZQA recognises as equivalent to a 4-year bachelor's degree in mining.
- (3) An applicant referred to in subclause (2) must satisfy the Board that—
- (a) they have at least 3 years' work experience in the underground workings of a coal mining operation (including any period served in the course of study); and
 - (b) their work experience includes at least 6 months actively engaged in the development and extraction of coal and support of the face openings.
- (4) If subclause (3) does not apply, the applicant must satisfy the Board that they have at least 5 years' work experience in the underground workings of a coal mining operation, including at least—
- (a) 2 years actively engaged in the development and extraction of coal and support of the face openings; and

- (b) 12 months of back-by work involving all of the following activities:
 - (i) preparing for and installing either mechanical or hydraulic transport of coal:
 - (ii) building permanent or temporary stoppings:
 - (iii) installation of auxiliary ventilation:
 - (iv) erection of either steel or timber sets:
 - (v) installation of roof bolts:
 - (vi) installation and maintenance of services.
- (5) The applicant must satisfy a panel of examiners, by way of examination, that they—
 - (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

23 Gas monitor certificate of competence

- (1) An applicant for a certificate of competence as a gas monitor must—
 - (a) have passed all of the unit standards set out in Schedule 17; and
 - (b) have the experience described in subclause (2); and
 - (c) pass an examination referred to in subclause (3); and
 - (d) hold a current first aid certificate.
- (2) The applicant must satisfy the Board that they have at least 3 months' work experience in coal exploration operations or in a coal mining operation.
- (3) The applicant must satisfy a panel of examiners, by way of examination, that they—
 - (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

24 Electrical superintendent certificate of competence

- (1) An applicant for a certificate of competence as an electrical superintendent must—
 - (a) have passed all of the unit standards set out in Schedule 18; and
 - (b) have the qualifications and experience described in subclause (2) or (3); and
 - (c) pass an examination referred to in subclause (4); and
 - (d) hold a current first aid certificate.
- (2) Under this subclause, the applicant has the required qualifications and experience if they—
 - (a) have one of the following qualifications:
 - (i) a New Zealand national qualification as an electrician (trade):

- (ii) a national qualification in electrical engineering;
 - (iii) a qualification in electrical engineering, acceptable to the Board, that is recognised by the NZQA as equivalent to a New Zealand national qualification in electrical engineering; and
 - (b) hold a current practising licence for electrical work and an endorsed mining registration under the Electricity Act 1992; and
 - (c) satisfy the Board that they have at least 3 years' work experience acceptable to the Board in the extractives industry or heavy industry, including a minimum of 12 months' work experience carrying out the following types of work in respect of mobile or fixed electrical installations:
 - (i) installation;
 - (ii) commissioning;
 - (iii) electrical maintenance;
 - (iv) repair.
- (3) Under this subclause, the applicant has the required qualifications and experience if they—
 - (a) have one of the following qualifications:
 - (i) a degree in electrical engineering conferred by a New Zealand university or by another university acceptable to the Board;
 - (ii) a qualification in electrical engineering, acceptable to the Board, that is recognised by the NZQA as equivalent to a 4-year bachelor's degree in electrical engineering; and
 - (b) satisfy the Board that they have at least 12 months' work experience acceptable to the Board in the extractives industry or heavy industry carrying out the following types of work in respect of mobile or fixed electrical installations:
 - (i) installation;
 - (ii) commissioning;
 - (iii) electrical maintenance;
 - (iv) repair.
- (4) The applicant must satisfy a panel of examiners, by way of examination, that they—
 - (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

25 Mechanical superintendent certificate of competence

- (1) An applicant for a certificate of competence as a mechanical superintendent must—
 - (a) have passed all of the unit standards set out in Schedule 19; and

-
- (b) have the qualifications and experience described in subclause (2) or (3); and
 - (c) pass an examination referred to in subclause (4); and
 - (d) hold a current first aid certificate.
 - (2) Under this subclause, the applicant has the required qualifications and experience if they—
 - (a) have one of the following qualifications:
 - (i) a New Zealand certificate in mechanical engineering (trade);
 - (ii) a national qualification in mechanical engineering acceptable to the Board;
 - (iii) a qualification in mechanical engineering, acceptable to the Board, that is recognised by the NZQA as equivalent to a New Zealand national qualification in mechanical engineering; and
 - (b) satisfy the Board that they have at least 3 years' work experience acceptable to the Board in the extractives industry or heavy industry, including at least 12 months experience carrying out the following types of work in respect of mobile or fixed plant:
 - (i) installation;
 - (ii) commissioning;
 - (iii) mechanical maintenance;
 - (iv) repair.
 - (3) Under this subclause, the applicant has the required qualifications and experience if they—
 - (a) have one of the following qualifications:
 - (i) a degree in mechanical engineering conferred by a New Zealand university;
 - (ii) a qualification in mechanical engineering, acceptable to the Board, that is recognised by the NZQA as equivalent to a 4-year bachelor's degree in mechanical engineering; and
 - (b) satisfy the Board that they have at least 12 months' work experience acceptable to the Board in the extractives industry or heavy industry carrying out the following types of work in respect of mobile or fixed plant:
 - (i) installation;
 - (ii) commissioning;
 - (iii) mechanical maintenance.
 - (4) The applicant must satisfy a panel of examiners, by way of examination, that they—
 - (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

26 Mine surveyor certificate of competence

- (1) An applicant for a certificate of competence as a mine surveyor must—
 - (a) have passed all of the unit standards set out in Schedule 20; and
 - (b) if the applicant intends to work underground, have also passed the additional unit standards set out in clause 30; and
 - (c) have the qualifications and experience described in subclause (2); and
 - (d) pass an examination referred to in subclause (3); and
 - (e) hold a current first aid certificate.
- (2) The applicant must—
 - (a) have one of the following qualifications:
 - (i) New Zealand Diploma in Surveying;
 - (ii) degree in surveying;
 - (iii) a qualification in surveying, acceptable to the Board, that is recognised by the NZQA as equivalent to a New Zealand diploma or degree in surveying (level 6 or higher); and
 - (b) satisfy the Board that they have at least 3 years' work experience in surveying, including—
 - (i) 12 months' work experience surveying in the extractives industry; and
 - (ii) if the applicant intends to work underground, at least 12 months surveying in the underground workings of a mining operation or tunnelling operation.
- (3) The applicant must satisfy a panel of examiners, by way of examination, that they—
 - (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

27 Ventilation officer certificate of competence

- (1) An applicant for a certificate of competence as a ventilation officer must—
 - (a) have passed all of the unit standards set out in Schedule 21; and
 - (b) if the applicant intends to work in an operation involved in coal extraction, have also passed the additional unit standards set out in clause 31; and
 - (c) have the experience described in subclause (2); and
 - (d) pass an examination referred to in subclause (3); and
 - (e) hold a current first aid certificate.
- (2) The applicant must satisfy the Board that—
 - (a) they have at least 2 years' work experience in the workings of an underground mining operation or tunnelling operation; and

-
- (b) if they intend to work in an operation involved in coal extraction, their work experience includes at least 12 months in the workings of an underground coal mine.
 - (3) The applicant must satisfy a panel of examiners, by way of examination, that they—
 - (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

28 Winding engine driver certificate of competence

- (1) An applicant for a certificate of competence as a winding engine driver must—
 - (a) have passed all of the unit standards set out in Schedule 22; and
 - (b) have the skills described in subclause (2); and
 - (c) pass an examination referred to in subclause (3); and
 - (d) hold a current first aid certificate.
- (2) The applicant must satisfy the Board that they have the ability to operate a winder and respond to the standard industry signals.
- (3) The applicant must satisfy a panel of examiners, by way of examination, that they—
 - (a) have satisfactory knowledge and application of good mining practice in the subject areas covered by this certificate of competence; and
 - (b) can communicate effectively to individuals or groups about relevant health and safety issues at an extractive site.

Subpart B—Additional competency requirements

29 Additional competency requirements for work in operations using explosives

- (1) This clause applies to an applicant for the issue of the following certificates of competence, if the applicant intends to work in an operation that uses explosives:
 - (a) A-grade opencast coal mine manager:
 - (b) B-grade opencast coal mine manager:
 - (c) A-grade quarry manager:
 - (d) B-grade quarry manager:
 - (e) A-grade alluvial mine manager:
 - (f) B-grade alluvial mine manager:
 - (g) A-grade tunnel manager:
 - (h) B-grade tunnel manager.
- (2) An applicant to whom this clause applies must have passed the following additional unit standards:

-
- (a) 17694: Demonstrate knowledge of explosives and their properties:
 - (b) 21152: Demonstrate and apply knowledge of storing explosives for use.

30 Additional competency requirements for work underground

- (1) This clause applies to an applicant for the issue of a mine surveyor certificate of competence, if the applicant intends to work underground.
- (2) An applicant to whom this clause applies must have passed the following additional unit standards:
 - (a) 7146: Demonstrate basic knowledge and ability required to work in an underground operation.
 - (b) 15666: Demonstrate knowledge of geology for underground extraction:
 - (c) 17741: Demonstrate specialist underground survey techniques:

31 Additional competency requirements for work in operations involving coal extraction

- (1) This clause applies to an applicant for the issue of a ventilation officer certificate of competence, if the applicant intends to work in an operation involved in coal extraction.
- (2) An applicant to whom this clause applies must have passed the following additional unit standards:
 - (a) 7145: Design and maintain effective ventilation systems for an underground coal mine:
 - (b) 21280: Demonstrate knowledge and evaluate the design of an effective ventilation system in an underground mine.

Part 3

Competency requirements for renewal and continuation

Subpart A—Renewal and continuation of certificates of competence

32 Applicants for renewal of certificate of competence to meet prescribed requirements

- (1) A holder who applies to renew their certificate of competence must meet—
 - (a) the CPD requirements prescribed in subpart B of this Part for renewal of that certificate; and
 - (b) any applicable additional competency requirements prescribed in subpart B of Part 2 for that certificate.
- (2) For the purposes of subclause (1)(b), subpart B of Part 2 applies as if a reference in that subpart to an applicant for the issue of a certificate of competence were a reference to an applicant for renewal of a certificate of competence.

33 Person holding life-time quarry manager certificate of competence to meet prescribed CPD requirements

A person who holds and wishes to continue holding a life-time quarry manager certificate of competence must meet the applicable CPD requirements prescribed in subpart B of this Part.

34 CPD requirements apply regardless of whether work carried out under certificate of competence

Clauses 32 and 33 apply regardless of whether the holder or person who holds a life-time quarry manager certificate of competence (as the case may be) has—

- (a) worked within the extractives industry for the duration of their certificate of competence; or
- (b) had their certificate of competence suspended for a period of time by the Board, in which case this safe work instrument applies as if the certificate had not been suspended.

Subpart B—CPD requirements

35 Application of this subpart

This subpart applies to:

- (a) a holder who applies to renew their certificate of competence;
- (b) a person who holds and wishes to continue holding a life-time quarry manager certificate of competence.

36 Prescribed CPD requirements

- (1) A person to whom this subpart applies must have participated in the CPD activities described in clause 37 for the hours specified in clause 38 for that certificate.
- (2) Nothing in this safe work instrument prevents the person from participating in additional CPD activities or completing additional CPD hours above the minimum requirements set out in this safe work instrument.

Claimable CPD activities and required CPD hours

37 Claimable CPD activities

A person to whom this subpart applies must have participated in CPD activities that—

- (a) are of a type specified in Schedule 23; and
- (b) are directly relevant to—
 - (i) the person's certificate of competence; and
 - (ii) the areas of learning; and
- (c) if applicable, includes the activities described in clause 39(1); and

- (d) maintain, improve, or broaden knowledge, understanding, skills, or personal qualities within the extractives industry.

38 CPD hours required generally

- (1) Subject to subclause (2) and clause 39, a person to whom this subpart applies must, over the 5-year period, complete the CPD hours set out in Table 1 for the relevant certificate of competence.

Table 1: CPD hours for certificates of competence

Certificate of Competence	CPD hours required
Site Senior Executive	5 year total: 120 hours
First Class Mine Manager	5 year total: 120 hours
First Class Coal Mine Manager	5 year total: 120 hours
A-grade Opencast Coal Mine Manager	5 year total: 120 hours
B-grade Opencast Coal Mine Manager	5 year total: 60 hours
A-grade Metalliferous Mine Manager	5 year total: 120 hours
B-grade Metalliferous Mine Manager	5 year total: 60 hours
A-grade Quarry Manager	5 year total: 120 hours
B-grade Quarry Manager	5 year total: 60 hours
Manager of specified quarrying operation	5 year total: 30 hours
A-grade Alluvial Mine Manager	5 year total: 120 hours
B-grade Alluvial Mine Manager	5 year total: 60 hours
A-grade Tunnel Manager	5 year total: 120 hours
B-grade Tunnel Manager	5 year total: 60 hours
Coal Mine Underviewer	5 year total: 120 hours
Coal Mine Deputy	5 year total: 60 hours
Gas Monitor	5 year total: 30 hours
Electrical Superintendent	5 year total: 120 hours
Mechanical Superintendent	5 year total: 120 hours
Mine Surveyor	5 year total: 60 hours
Ventilation Officer	5 year total: 60 hours
Winding Engine Driver	5 year total: 40 hours

- (2) For the purposes of subclause (1),—
- (a) the CPD hours may be for restricted activities and unrestricted activities; but
- (b) the number of CPD hours completed for restricted activities must not exceed the limits specified in Part 2 of Schedule 23.
- (3) In this clause, **5-year period** means, in the case of a lifetime quarry manager certificate of competence,—
- (a) the period commencing on 1 January 2023 and concluding on 31 December 2028; and
- (b) every subsequent period of 5 years.

39 CPD hours required in particular cases

- (1) In the case of a certificate of competence listed in Table 2, the CPD hours required by clause 38(1) must include the CPD hours required for the activities described in that table for that certificate.

Table 2: Specialist CPD hours required for certain certificates of competence

Certificate of Competence	Specialist CPD Hours Required
Electrical Superintendent	A minimum of 30 hours must be from CPD activities that are directly subject-related to the area of specialisation
Mechanical Superintendent	A minimum of 30 hours must be from CPD activities that are directly subject-related to the area of specialisation
Mine Surveyor	A minimum of 15 hours must be from CPD activities that are directly subject-related to the area of specialisation
Ventilation Officer	A minimum of 15 hours must be from CPD activities that are directly subject-related to the area of specialisation
Winding Engine Driver	A minimum of 15 hours must be from CPD activities that are directly subject-related to the area of specialisation

- (2) A holder of more than one certificate of competence is only required to complete the number of CPD hours required for one certificate so long as—
- (a) that certificate is the certificate with the highest number of CPD hours required; and
 - (b) if one of the certificates is listed in Table 2, the holder completed the CPD hours specified in that table.

Example

A holder who holds a first class mine manager certificate and an electrical superintendent certificate is only required to complete 120 CPD hours, but that must include a minimum of 30 hours from CPD activities that are directly subject-related to the role of an electrical superintendent.

Schedule 1AA
Transitional, savings and related provisions

Part 1

Provisions relating to Health and Safety at Work (Mining Operations and Quarrying Operations-Competency Requirements for Certificates of Competence) Amendment Safe Work Instrument 2025

- 1 Transitional requirements for applications received before 30 September 2025**
- (1) This clause applies to an application for issue of a certificate of competence received by WorkSafe before 30 September 2025.
- (2) A person who submits an application to which this clause applies must have passed either—
- (a) the relevant unit standards specified in this safe work instrument on and from 30 June 2025; or
 - (b) the relevant unit standards specified in this safe work instrument as it read immediately before 30 June 2025, in which case the applicant is not required to have passed unit standard 19522 (Undertake job safety analysis).

Schedule 1
Site senior executive unit standards

Unit No.	Title
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
16810	Develop a Workplace Emergency Management Plan
27564	Demonstrate knowledge of leadership in an organisation
28739	Establish and maintain risk management systems at an extractive site
28740	Establish and maintain the work, health and safety (WHS) management system at an extractive site
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System

Schedule 2

First-class mine manager unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
7143	Inspect and report on safety and operations at an extractive site
7145	Design and maintain effective ventilation systems for an underground coal mine
or	
30898	Design and maintain effective ventilation systems for a non-coal underground operation
7146	Demonstrate basic knowledge and ability required to work in an underground operation
8902	Prepare a safety inspection plan for extractive operations
8905	Demonstrate knowledge of construction and maintenance of working surfaces at an extractive site
15662	Evaluate ground conditions and support methods for maintaining stability in underground operations
15663	Demonstrate knowledge of the geotechnical requirements for ground stability at surface extraction sites
15664	Demonstrate introductory knowledge of geology at surface extraction sites
15665	Demonstrate knowledge of geology and geotechnical features and failures for surface extraction
15666	Demonstrate knowledge of geology for underground extraction
16686	Conduct an incident investigation at an extractive site
17691	Use mathematics to solve problems in an extractive industries workplace
17693	Explain and determine water flow, and describe the selection of pumps and structures for an extractive site
17694	Demonstrate knowledge of explosives and their properties
17743	Demonstrate knowledge of survey principles and apply to an extraction site
17744	Read and interpret extractive site plans
21151	Demonstrate knowledge of planning rehabilitation operations for an extractive site
21152	Demonstrate and apply knowledge of storing explosives for use
21155	Demonstrate knowledge of the management and use of water at an extractive site
21156	Demonstrate knowledge of planning and managing extraction to minimise environmental impacts
21278	Describe, install, and reassess support systems for an underground operation
21281	Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in an underground coal mine
or	
30900	Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in a non-coal underground operation
21629	Evaluate plans to manage old workings and inundations at extractive sites
21821	Maintain and install services for an underground operation
22057	Demonstrate knowledge of pneumatic and hydraulic power systems used in extractive operations
23648	Demonstrate knowledge of and follow safe working practices at an extractive site
26855	Analyse human factors present in workplace practices at an extractive site
27564	Demonstrate knowledge of leadership in an organisation

Health and Safety at Work (Mining Operations and Quarrying Operations—Prescribed Competency Requirements for Certificates of Competence) Safe Work Instrument 2023

WorkSafe New Zealand Consolidation as at 12 November 2025

28982	Develop standard operating procedures for an extractive site
28983	Carry out the risk management process at an extractive site
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System
30902	Demonstrate knowledge of extraction methods, and selection of plant and equipment for surface extraction
30903	Demonstrate knowledge of mining methods, and analyse and select plant for metalliferous underground extraction
30905	Demonstrate knowledge of the Underground Mines Emergency Protocol
31092	Demonstrate knowledge of conveyors, and crushing and screening plant for extractive industries
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System
32283	Explain hazards and controls associated with stockpiling and tip heads at extractive sites

Schedule 3

First-class coal mine manager unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
7143	Inspect and report on safety and operations at an extractive site
7145	Design and maintain effective ventilation systems for an underground coal mine
7146	Demonstrate basic knowledge and ability required to work in an underground operation
8902	Prepare a safety inspection plan for extractive operations
8905	Demonstrate knowledge of construction and maintenance of working surfaces at an extractive site
15662	Evaluate ground conditions and support methods for maintaining stability in underground operations
15663	Demonstrate knowledge of the geotechnical requirements for ground stability at surface extraction sites
15665	Demonstrate knowledge of geology and geotechnical features and failures for surface extraction
15666	Demonstrate knowledge of geology for underground extraction
16686	Conduct an incident investigation at an extractive site
17691	Use mathematics to solve problems in an extractive industries workplace
17693	Explain and determine water flow, and describe the selection of pumps and structures for an extractive site
17694	Demonstrate knowledge of explosives and their properties
17743	Demonstrate knowledge of survey principles and apply to an extraction site
17744	Read and interpret extractive site plans
21151	Demonstrate knowledge of planning rehabilitation operations for an extractive site
21152	Demonstrate and apply knowledge of storing explosives for use
21155	Demonstrate knowledge of the management and use of water at an extractive site
21156	Demonstrate knowledge of planning and managing extraction to minimise environmental impacts
21278	Describe, install, and reassess support systems for an underground operation
21280	Demonstrate knowledge and evaluate the design of an effective ventilation system in an underground mine
21281	Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in an underground coal mine
21629	Evaluate plans to manage old workings and inundations at extractive sites
21661	Demonstrate knowledge of the use of electrical reticulation plant and equipment in extractive operations
21662	Demonstrate knowledge of development and extraction plant and methods for underground coal mining
21821	Maintain and install services for an underground operation
22057	Demonstrate knowledge of pneumatic and hydraulic power systems used in extractive operations
23648	Demonstrate knowledge of and follow safe working practices at an extractive site
26855	Analyse human factors present in workplace practices at an extractive site
27564	Demonstrate knowledge of leadership in an organisation
28982	Develop standard operating procedures for an extractive site

Health and Safety at Work (Mining Operations and Quarrying Operations—Prescribed Competency Requirements for Certificates of Competence) Safe Work Instrument 2023

WorkSafe New Zealand Consolidation as at 12 November 2025

28983	Carry out the risk management process at an extractive site
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System
30902	Demonstrate knowledge of extraction methods, and selection of plant and equipment for surface extraction
30904	Demonstrate knowledge of mining methods, and analyse and select plant for underground coalmines
30905	Demonstrate knowledge of the Underground Mines Emergency Protocol
31092	Demonstrate knowledge of conveyors, and crushing and screening plant for extractive industries
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System
32283	Explain hazards and controls associated with stockpiling and tip heads at extractive sites

Schedule 4

A-grade opencast coal mine manager unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
7143	Inspect and report on safety and operations at an extractive site
8902	Prepare a safety inspection plan for extractive operations
8905	Demonstrate knowledge of construction and maintenance of working surfaces at an extractive site
15663	Demonstrate knowledge of the geotechnical requirements for ground stability at surface extraction sites
15664	Demonstrate introductory knowledge of geology at surface extraction sites
16686	Conduct an incident investigation at an extractive site
21151	Demonstrate knowledge of planning rehabilitation operations for an extractive site
21155	Demonstrate knowledge of the management and use of water at an extractive site
21156	Demonstrate knowledge of planning and managing extraction to minimise environmental impacts
23648	Demonstrate knowledge of and follow safe working practices at an extractive site
26855	Analyse human factors present in workplace practices at an extractive site
27564	Demonstrate knowledge of leadership in an organisation
28982	Develop standard operating procedures for an extractive site
28983	Carry out the risk management process at an extractive site
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System
30902	Demonstrate knowledge of extraction methods, and selection of plant and equipment for surface extraction
31092	Demonstrate knowledge of conveyors, and crushing and screening plant for extractive industries
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System
32283	Explain hazards and controls associated with stockpiling and tip heads at extractive sites
32284	Follow, maintain and recommend modifications for stockpiling and tip head management plans at an extractive site

Schedule 5

B-grade opencast coal mine manager unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
or	
28742	Explain legislation related to health and safety, and supporting documents, applicable to an extractive site
8902	Prepare a safety inspection plan for extractive operations
8905	Demonstrate knowledge of construction and maintenance of working surfaces at an extractive site
16686	Conduct an incident investigation at an extractive site
21155	Demonstrate knowledge of the management and use of water at an extractive site
21156	Demonstrate knowledge of planning and managing extraction to minimise environmental impacts
23648	Demonstrate knowledge of and follow safe working practices at an extractive site
27563	Demonstrate knowledge of teams and team leadership in an organisation
or	
27564	Demonstrate knowledge of leadership in an organisation
26855	Analyse human factors present in workplace practices at an extractive site
28983	Carry out the risk management process at an extractive site
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System
31092	Demonstrate knowledge of conveyors, and crushing and screening plant for extractive industries
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
or	
31762	Demonstrate knowledge of worker health in the extractive industries
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System
32283	Explain hazards and controls associated with stockpiling and tip heads at extractive sites
32284	Follow, maintain and recommend modifications for stockpiling and tip head management plans at an extractive site

Schedule 6

A-grade metalliferous mine manager unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
7143	Inspect and report on safety and operations at an extractive site
7145	Design and maintain effective ventilation systems for an underground coal mine
or	
30898	Design and maintain effective ventilation systems for a non-coal underground operation
7146	Demonstrate basic knowledge and ability required to work in an underground operation
15662	Evaluate ground conditions and support methods for maintaining stability in underground operations
15666	Demonstrate knowledge of geology for underground extraction
16686	Conduct an incident investigation at an extractive site
17691	Use mathematics to solve problems in an extractive industries workplace
17694	Demonstrate knowledge of explosives and their properties
21151	Demonstrate knowledge of planning rehabilitation operations for an extractive site
21152	Demonstrate and apply knowledge of storing explosives for use
21278	Describe, install, and reassess support systems for an underground operation
21281	Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in an underground coal mine
or	
30900	Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in a non-coal underground operation
21661	Demonstrate knowledge of the use of electrical reticulation plant and equipment in extractive operations
21821	Maintain and install services for an underground operation
22057	Demonstrate knowledge of pneumatic and hydraulic power systems used in extractive operations
23648	Demonstrate knowledge of and follow safe working practices at an extractive site
26855	Analyse human factors present in workplace practices at an extractive site
27564	Demonstrate knowledge of leadership in an organisation
28982	Develop standard operating procedures for an extractive site
28983	Carry out the risk management process at an extractive site
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System
30903	Demonstrate knowledge of mining methods, and analyse and select plant for metalliferous underground extraction
30905	Demonstrate knowledge of the Underground Mines Emergency Protocol
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System
32283	Explain hazards and controls associated with stockpiling and tip heads at extractive sites

Schedule 7

B-grade metalliferous mine manager unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
Or	
28742	Explain legislation related to health and safety, and supporting documents, applicable to an extractive site
7143	Inspect and report on safety and operations at an extractive site
7146	Demonstrate basic knowledge and ability required to work in an underground operation
16686	Conduct an incident investigation at an extractive site
17691	Use mathematics to solve problems in an extractive industries workplace
17694	Demonstrate knowledge of explosives and their properties
17705	Describe, develop, and maintain basic ventilation systems for an underground coal mine
or	
30899	Describe, develop, and maintain basic ventilation systems for a non-coal underground operation
21152	Demonstrate and apply knowledge of storing explosives for use
21278	Describe, install, and reassess support systems for an underground operation
21281	Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in an underground coal mine
or	
30900	Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in a non-coal underground operation
21661	Demonstrate knowledge of the use of electrical reticulation plant and equipment in extractive operations
21821	Maintain and install services for an underground operation
22057	Demonstrate knowledge of pneumatic and hydraulic power systems used in extractive operations
23648	Demonstrate knowledge of and follow safe working practices at an extractive site
26855	Analyse human factors present in workplace practices at an extractive site
27563	Demonstrate knowledge of teams and team leadership in an organisation
or	
27564	Demonstrate knowledge of leadership in an organisation
28983	Carry out the risk management process at an extractive site
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System
30905	Demonstrate knowledge of the Underground Mines Emergency Protocol
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
or	
31762	Demonstrate knowledge of worker health in the extractive industries
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System

Health and Safety at Work (Mining Operations and Quarrying Operations—Prescribed Competency Requirements for Certificates of Competence) Safe Work Instrument 2023

WorkSafe New Zealand Consolidation as at 12 November 2025

32283	Explain hazards and controls associated with stockpiling and tip heads at extractive sites
-------	--

Schedule 8

A-grade quarry manager unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
7143	Inspect and report on safety and operations at an extractive site
8902	Prepare a safety inspection plan for extractive operations
8905	Demonstrate knowledge of construction and maintenance of working surfaces at an extractive site
15663	Demonstrate knowledge of the geotechnical requirements for ground stability at surface extraction sites
15664	Demonstrate introductory knowledge of geology at surface extraction sites
16686	Conduct an incident investigation at an extractive site
21151	Demonstrate knowledge of planning rehabilitation operations for an extractive site
21155	Demonstrate knowledge of the management and use of water at an extractive site
21156	Demonstrate knowledge of planning and managing extraction to minimise environmental impacts
23648	Demonstrate knowledge of and follow safe working practices at an extractive site
26855	Analyse human factors present in workplace practices at an extractive site
27564	Demonstrate knowledge of leadership in an organisation
28982	Develop standard operating procedures for an extractive site
28983	Carry out the risk management process at an extractive site
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System
30902	Demonstrate knowledge of extraction methods, and selection of plant and equipment for surface extraction
31092	Demonstrate knowledge of conveyors, and crushing and screening plant for extractive industries
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System
32283	Explain hazards and controls associated with stockpiling and tip heads at extractive sites
32284	Follow, maintain and recommend modifications for stockpiling and tip head management plans at an extractive site

Schedule 9

B-grade quarry manager unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
or	
28742	Explain legislation related to health and safety, and supporting documents, applicable to an extractive site
8902	Prepare a safety inspection plan for extractive operations
8905	Demonstrate knowledge of construction and maintenance of working surfaces at an extractive site
16686	Conduct an incident investigation at an extractive site
21155	Demonstrate knowledge of the management and use of water at an extractive site
21156	Demonstrate knowledge of planning and managing extraction to minimise environmental impacts
23648	Demonstrate knowledge of and follow safe working practices at an extractive site
26855	Analyse human factors present in workplace practices at an extractive site
27563	Demonstrate knowledge of teams and team leadership in an organisation
or	
27564	Demonstrate knowledge of leadership in an organisation
28983	Carry out the risk management process at an extractive site
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System
31092	Demonstrate knowledge of conveyors, and crushing and screening plant for extractive industries
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
or	
31762	Demonstrate knowledge of worker health in the extractive industries
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System
32283	Explain hazards and controls associated with stockpiling and tip heads at extractive sites
32284	Follow, maintain and recommend modifications for stockpiling and tip head management plans at an extractive site

Schedule 10

Manager of specified quarrying operation unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
or	
28742	Explain legislation related to health and safety, and supporting documents, applicable to an extractive site
8905	Demonstrate knowledge of construction and maintenance of working surfaces at an extractive site
16686	Conduct an incident investigation at an extractive site
23648	Demonstrate knowledge of and follow safe working practices at an extractive site
28793	Conduct safety inspections for extractive operations
28983	Carry out the risk management process at an extractive site
31092	Demonstrate knowledge of conveyors, and crushing and screening plant for extractive industries
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
or	
31762	Demonstrate knowledge of worker health in the extractive industries

Schedule 11

A-grade alluvial mine manager unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
7143	Inspect and report on safety and operations at an extractive site
8902	Prepare a safety inspection plan for extractive operations
8905	Demonstrate knowledge of construction and maintenance of working surfaces at an extractive site
15663	Demonstrate knowledge of the geotechnical requirements for ground stability at surface extraction sites
15664	Demonstrate introductory knowledge of geology at surface extraction sites
16686	Conduct an incident investigation at an extractive site
21151	Demonstrate knowledge of planning rehabilitation operations for an extractive site
21155	Demonstrate knowledge of the management and use of water at an extractive site
21156	Demonstrate knowledge of planning and managing extraction to minimise environmental impacts
23648	Demonstrate knowledge of and follow safe working practices at an extractive site
26855	Analyse human factors present in workplace practices at an extractive site
27564	Demonstrate knowledge of leadership in an organisation
28982	Develop standard operating procedures for an extractive site
28983	Carry out the risk management process at an extractive site
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System
30902	Demonstrate knowledge of extraction methods, and selection of plant and equipment for surface extraction
31092	Demonstrate knowledge of conveyors, and crushing and screening plant for extractive industries
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System
32283	Explain hazards and controls associated with stockpiling and tip heads at extractive sites
32284	Follow, maintain and recommend modifications for stockpiling and tip head management plans at an extractive site

Schedule 12

B-grade alluvial mine manager unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
or	
28742	Explain legislation related to health and safety, and supporting documents, applicable to an extractive site
8902	Prepare a safety inspection plan for extractive operations
8905	Demonstrate knowledge of construction and maintenance of working surfaces at an extractive site
16686	Conduct an incident investigation at an extractive site
21155	Demonstrate knowledge of the management and use of water at an extractive site
21156	Demonstrate knowledge of planning and managing extraction to minimise environmental impacts
23648	Demonstrate knowledge of and follow safe working practices at an extractive site
26855	Analyse human factors present in workplace practices at an extractive site
27563	Demonstrate knowledge of teams and team leadership in an organisation
or	
27564	Demonstrate knowledge of leadership in an organisation
28983	Carry out the risk management process at an extractive site
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System
31092	Demonstrate knowledge of conveyors, and crushing and screening plant for extractive industries
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
or	
31762	Demonstrate knowledge of worker health in the extractive industries
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System
32283	Explain hazards and controls associated with stockpiling and tip heads at extractive sites
32284	Follow, maintain and recommend modifications for stockpiling and tip head management plans at an extractive site

Schedule 13

A-grade tunnel manager unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
7143	Inspect and report on safety and operations at an extractive site
7145	Design and maintain effective ventilation systems for an underground coal mine
or	
30898	Design and maintain effective ventilation systems for a non-coal underground operation
7146	Demonstrate basic knowledge and ability required to work in an underground operation
15662	Evaluate ground conditions and support methods for maintaining stability in underground operations
15666	Demonstrate knowledge of geology for underground extraction
15669	Demonstrate knowledge of tunnelling methods, and selection of plant and equipment for tunnelling
16686	Conduct an incident investigation at an extractive site
17691	Use mathematics to solve problems in an extractive industries workplace
21151	Demonstrate knowledge of planning rehabilitation operations for an extractive site
21278	Describe, install, and reassess support systems for an underground operation
21281	Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in an underground coal mine
or	
30900	Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in a non-coal underground operation
21661	Demonstrate knowledge of the use of electrical reticulation plant and equipment in extractive operations
21821	Maintain and install services for an underground operation
22057	Demonstrate knowledge of pneumatic and hydraulic power systems used in extractive operations
23648	Demonstrate knowledge of and follow safe working practices at an extractive site
26855	Analyse Human Factors present in workplace practices at an extractive site
27564	Demonstrate knowledge of leadership in an organisation
28982	Develop standard operating procedures for an extractive site
28983	Carry out the risk management process at an extractive site
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System
30905	Demonstrate knowledge of the Underground Mines Emergency Protocol
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System

Schedule 14

B-grade tunnel manager unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
Or	
28742	Explain legislation related to health and safety, and supporting documents, applicable to an extractive site
7143	Inspect and report on safety and operations at an extractive site
7146	Demonstrate basic knowledge and ability required to work in an underground operation
16686	Conduct an incident investigation at an extractive site
17691	Use mathematics to solve problems in an extractive industries workplace
17705	Describe, develop and maintain basic ventilation systems for an underground coal mine
or	
30899	Describe, develop, and maintain basic ventilation systems for a non-coal underground operation
21278	Describe, install, and reassess support systems for an underground operation
21281	Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in an underground coal mine
or	
30900	Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in a non-coal underground operation
21661	Demonstrate knowledge of the use of electrical reticulation plant and equipment in extractive operations
21821	Maintain and install services for an underground operation
22057	Demonstrate knowledge of pneumatic and hydraulic power systems used in extractive operations
23648	Demonstrate knowledge of and follow safe working practices at an extractive site
26855	Analyse Human Factors present in workplace practices at an extractive site
27563	Demonstrate knowledge of teams and team leadership in an organisation
or	
27564	Demonstrate knowledge of leadership in an organisation
28983	Carry out the risk management process at an extractive site
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System
30905	Demonstrate knowledge of the Underground Mines Emergency Protocol
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
or	
31762	Demonstrate knowledge of worker health in the extractive industries
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System

Schedule 15

Coal mine interviewer unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
7143	Inspect and report on safety and operations at an extractive site
7145	Design and maintain effective ventilation systems for an underground coal mine
7146	Demonstrate basic knowledge and ability required to work in an underground operation
15666	Demonstrate knowledge of geology for underground extraction
16686	Conduct an incident investigation at an extractive site
17691	Use mathematics to solve problems in an extractive industries workplace
17694	Demonstrate knowledge of explosives and their properties
17743	Demonstrate knowledge of survey principles and apply to an extraction site
17744	Read and interpret extractive site plans
21151	Demonstrate knowledge of planning rehabilitation operations for an extractive site
21152	Demonstrate and apply knowledge of storing explosives for use
21155	Demonstrate knowledge of the management and use of water at an extractive site
21278	Describe, install, and reassess support systems for an underground operation
21281	Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in an underground coal mine
21629	Evaluate plans to manage old workings and inundations at extractive sites
21661	Demonstrate knowledge of the use of electrical reticulation plant and equipment in extractive operations
21662	Demonstrate knowledge of development and extraction plant and methods for underground coal mining
21821	Maintain and install services for an underground operation
22057	Demonstrate knowledge of pneumatic and hydraulic power systems used in extractive operations
23648	Demonstrate knowledge of and follow safe working practices at an extractive site
26855	Analyse Human Factors present in workplace practices at an extractive site
27564	Demonstrate knowledge of leadership in an organisation
28983	Carry out the risk management process at an extractive site
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System
30904	Demonstrate knowledge of mining methods, and analyse and select plant for underground coalmines
30905	Demonstrate knowledge of the Underground Mines Emergency Protocol
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System
32283	Explain hazards and controls associated with stockpiling and tip heads at extractive sites

Schedule 16

Coal mine deputy unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
Or	
28742	Explain legislation related to health and safety, and supporting documents, applicable to an extractive site
7143	Inspect and report on safety and operations at an extractive site
7146	Demonstrate basic knowledge and ability required to work in an underground operation
16686	Conduct an incident investigation at an extractive site
17691	Use mathematics to solve problems in an extractive industries workplace
17694	Demonstrate knowledge of explosives and their properties
17705	Describe, develop, and maintain basic ventilation systems for an underground coal mine
21152	Demonstrate and apply knowledge of storing explosives for use
21278	Describe, install, and reassess support systems for an underground operation
21281	Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in an underground coal mine
21629	Evaluate plans to manage old workings and inundations at extractive sites
21661	Demonstrate knowledge of the use of electrical reticulation plant and equipment in extractive operations
21662	Demonstrate knowledge of development and extraction plant and methods for underground coal mining
21821	Maintain and install services for an underground operation
22057	Demonstrate knowledge of pneumatic and hydraulic power systems used in extractive operations
23648	Demonstrate knowledge of and follow safe working practices at an extractive site
26855	Analyse human factors present in workplace practices at an extractive site
27563	Demonstrate knowledge of teams and team leadership in an organisation
or	
27564	Demonstrate knowledge of leadership in an organisation
28983	Carry out the risk management process at an extractive site
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System
30905	Demonstrate knowledge of the Underground Mines Emergency Protocol
31761	Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
or	
31762	Demonstrate knowledge of worker health in the extractive industries
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System
32283	Explain hazards and controls associated with stockpiling and tip heads at extractive sites

Schedule 17
Gas monitor unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
23648	Demonstrate knowledge of and follow safe working practices at an extractive site
24976	Use and maintain the integrity of portable gas detection devices in hazardous areas

Schedule 18

Electrical superintendent unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
Or	
28742	Explain legislation related to health and safety, and supporting documents, applicable to an extractive site
7146	Demonstrate basic knowledge and ability required to work in an underground operation
16686	Conduct an incident investigation at an extractive site
17055	Manage compliance of explosive atmospheres
17744	Read and interpret extractive site plans
18028	Demonstrate knowledge of earthing in high voltage electricity network installations and works
23648	Demonstrate knowledge of and follow safe working practices at an extractive site
26739	Demonstrate introductory underpinning knowledge of electrical equipment in explosive atmospheres
26740	Demonstrate and apply intermediate underpinning knowledge of electrical equipment in explosive atmospheres
26855	Analyse Human Factors present in workplace practices at an extractive site
27564	Demonstrate knowledge of leadership in an organisation
28982	Develop standard operating procedures for an extractive site
28983	Carry out the risk management process at an extractive site
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System
30068	Enter classified explosive atmosphere areas to undertake work
30069	Determine the explosion-protection requirements specified for classified explosive atmospheres
30905	Demonstrate knowledge of the Underground Mines Emergency Protocol
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System
32176	Demonstrate knowledge of electrical circuit protection for electricity supply networks
32642	Demonstrate knowledge of de-commissioning, commissioning, and verification of electrical installations

Schedule 19

Mechanical superintendent unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
Or	
28742	Explain legislation related to health and safety, and supporting documents, applicable to an extractive site
7146	Demonstrate basic knowledge and ability required to work in an underground operation
16686	Conduct an incident investigation at an extractive site
17744	Read and interpret extractive site plans
22915	Commission mechanical engineering machinery or plant
23648	Demonstrate knowledge of and follow safe working practices at an extractive site
23649	Develop, implement, and review maintenance plans for an extractive site
26855	Analyse Human Factors present in workplace practices at an extractive site
27564	Demonstrate knowledge of leadership in an organisation
28982	Develop standard operating procedures for an extractive site
28983	Carry out the risk management process at an extractive site
29553	Demonstrate operational knowledge of New Zealand's Coordinated Incident Management System functions and structure
29554	Apply operational knowledge of New Zealand's Coordinated Incident Management System
30905	Demonstrate knowledge of the Underground Mines Emergency Protocol
32158	Demonstrate basic knowledge of New Zealand's Coordinated Incident Management System

Schedule 20

Mine surveyor unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
Or	
28742	Explain legislation related to health and safety, and supporting documents, applicable to an extractive site
15665	Demonstrate knowledge of geology and geotechnical features and failures for surface extraction
17696	Describe and apply basic skills and knowledge required to work at a surface extraction site
21629	Evaluate plans to manage old workings and inundations at extractive sites
29087	Survey and produce statutory mine plans

Schedule 21

Ventilation officer unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site
Or	
28742	Explain legislation related to health and safety, and supporting documents, applicable to an extractive site
Both 7145 and 21280	Design and maintain effective ventilation systems for an underground coal mine Demonstrate knowledge and evaluate the design of an effective ventilation system in an underground mine
or	
30898	Design and maintain effective ventilation systems for a non-coal underground operation
7146	Demonstrate basic knowledge and ability required to work in an underground operation
17691	Use mathematics to solve problems in an extractive industries workplace
17744	Read and interpret extractive site plans
21821	Maintain and install services for an underground operation
23648	Demonstrate knowledge of and follow safe working practices at an extractive site

Schedule 22
Winding engine driver unit standards

Unit No	Title
6400	Manage first aid in an emergency situation
6401	Provide first aid
6402	Provide basic life support
7164	Describe and operate a winding engine in an underground extractive site
23648	Demonstrate knowledge of and follow safe working practices at an extractive site

Schedule 23

CPD activities

Part 1

Unrestricted activities

1 No limit on hours claimed for certain types of CPD activities

There is no limit on the number of CPD hours that may be claimed for relevant activities of the following type:

Attending industry events

- (a) industry seminars, workshops, and training:
- (b) conference workshops run by industry or related organisations:
- (c) industry representative meetings (for example, advisory groups, industry or specialist boards, or technical committees):

Receiving training

- (d) fulfilling all requirements and completing formal training courses or tertiary qualifications including degrees and industry training qualifications:
- (e) receiving the following types of training:
 - (i) training by equipment manufacturers including simulator training:
 - (ii) relevant webinars:
 - (iii) in-house training:
 - (iv) first aid certificate training:

Delivering training

- (f) delivering the following types of training (including reasonable preparation time):
 - (i) industry seminars, training, or workshops:
 - (ii) in-house training:

Presentations and publications

- (g) presenting at a relevant industry conference (including reasonable preparation time):
- (h) publication of articles in relevant industry magazines, journals, or similar:

Improvement of bespoke equipment or installations

- (i) the design, construction, improvement, or significant overhaul of bespoke equipment or installations:

Development or review of critical health and safety documents

- (j) the development or formal review of critical health and safety documents associated with health and safety management systems, including:
 - (i) principal hazard management plans:
 - (ii) principal control plans:
 - (iii) health and safety policies:
 - (iv) standard operating procedures:

Participation in formal activities

- (k) participation in the following types of formal activities:
 - (i) facilitated risk assessments:
 - (ii) incident investigations that use a recognised analysis process:
 - (iii) emergency exercises:
- (l) participation in a panel of examiners as a member:

Field trips

- (m) field trips that are relevant to the person's certificate of competence and result in significant learning:

Other activities where new knowledge or skills are acquired

- (n) participation in any other activity within the areas of learning where the person has gained new knowledge or skills relevant to their certificate of competence.

Part 2

Restricted activities

2 Attending relevant industry conferences

- (1) The maximum number of CPD hours that a person can claim for attending an industry conference is 4 hours per conference.
- (2) The conference must be relevant to the person's certificate of competence.
- (3) Attendance at conference workshops is an unrestricted activity, and time spent attending such workshops should not be counted under this clause if it has been counted as an unrestricted activity.
- (4) There is no limit on the number of conferences a person can claim for during the 5-year period.

3 Other restricted CPD activities

- (1) The maximum number of CPD hours that can be claimed over the 5-year period for any activity or combination of activities covered by this clause is:
 - (a) 20 hours for a person who is required to complete 120 hours CPD:

- (b) 10 hours for a person who is required to complete 60 hours CPD:
 - (c) 5 hours for a person who is required to complete 30 or 40 hours CPD.
- (2) The activities covered by this clause are:
 - (a) formal one-on-one mentoring with a structured programme of meetings:
 - (b) listening to relevant podcasts:
 - (c) participation in health and safety committee meetings where outcomes are documented in meeting minutes:
 - (d) reading relevant publications (for example, technical articles, technical publications, and conference papers).