

# Consultation on proposed amendment safe work instrument - requirements for mining and quarrying certificates of competence

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Proposed amendment safe work instrument to set requirements for mining and quarrying certificates of competence.

**October/November 2024**

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## Purpose

WorkSafe New Zealand is consulting on a proposed safe work instrument.

A safe work instrument is secondary legislation that supports or supplements regulations, and must be approved by the Minister for Workplace Relations and Safety. The Minister must be satisfied that the appropriate people and organisations have been consulted before approving the safe work instrument.

This consultation document describes our proposals and seeks your feedback. Your feedback will help WorkSafe decide whether the proposals are appropriate.

[About safe work instruments | WorkSafe](#)

## What the proposed safe work instrument would do

WorkSafe proposes to make an amendment safe work instrument that would modify some of the prescribed competency requirements for certificates of competence, which are currently set in the 2023 SWI, the [Health and Safety at Work \(Mining Operations and Quarrying Operations - Prescribed Competency Requirements for Certificates of Competence\) Safe Work Instrument 2023](#). The proposed amendment safe work instrument would add new unit standards to the existing certificates of competence, but in a few cases would remove a unit standard currently required for certain certificates of competence.

WorkSafe is proposing changes to the unit standards requirements of the 20 certificates of competence listed below. There will be no changes to the Winding Engine Driver or Mine Surveyor certificates of competence.

## Proposed unit standard changes

The table below details the changes proposed for each certificate of competence:

Certificate of competence	Unit standard number and description
Site Senior Executive – Schedule 1	<b>Add</b> 27564: Demonstrate knowledge of leadership in an organisation
First-class Mine Manager – Schedule 2	<b>Add</b> 27564: Demonstrate knowledge of leadership in an organisation
	<b>Add</b> 30898: Design and maintain effective ventilation systems for a non-coal underground operation
	<b>Add</b> an option for 7145 <b>or</b> 30898 (7145 is already a requirement under Schedule 2)
	<b>Add</b> 30900: Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in a non-coal underground operation
	<b>Add</b> an option for 21281 <b>or</b> 30900 (21281 is already a requirement under Schedule 2)
	<b>Add</b> 31761: Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
	<b>Remove</b> 19522: Undertake job safety analysis
First-class Coal Mine Manager – Schedule 3	<b>Add</b> 27564: Demonstrate knowledge of leadership in an organisation
	<b>Add</b> 31761: Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
	<b>Remove</b> 19522: Undertake job safety analysis
A-grade Opencast Coal Mine Manager – Schedule 4	<b>Add</b> 27564: Demonstrate knowledge of leadership in an organisation
	<b>Add</b> 31761: Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
	<b>Remove</b> 19522: Undertake job safety analysis
B-grade Opencast Coal Mine Manager – Schedule 5	<b>Add</b> 27563: Demonstrate knowledge of teams and team leadership in an organisation
	<b>Add</b> 27564: Demonstrate knowledge of leadership in an organisation
	<b>Add</b> an option for 27563 <b>or</b> 27564
	<b>Add</b> 31761: Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
	<b>Add</b> 31762: Demonstrate knowledge of worker health in the extractive industries
	<b>Add</b> an option for 31761 <b>or</b> 31762
	<b>Remove</b> 19522: Undertake job safety analysis
A-grade Metalliferous Mine Manager – Schedule 6	<b>Add</b> 27564: Demonstrate knowledge of leadership in an organisation
	<b>Add</b> 30898: Design and maintain effective ventilation systems for a non-coal underground operation
	<b>Add</b> an option for 7145 <b>or</b> 30898 (7145 is already a requirement under Schedule 6)

	<p><b>Add</b> 30900: Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in a non-coal underground operation</p> <p><b>Add</b> an option for 21281 <b>or</b> 30900 (21281 is already a requirement under Schedule 6)</p> <p><b>Add</b> 31761: Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries</p> <p><b>Remove</b> 19522: Undertake job safety analysis</p>
<b>B-grade Metalliferous Mine Manager – Schedule 7</b>	<p><b>Add</b> 27563: Demonstrate knowledge of teams and team leadership in an organisation</p> <p><b>Add</b> 27564: Demonstrate knowledge of leadership in an organisation</p> <p><b>Add</b> an option for 27563 <b>or</b> 27564</p> <p><b>Add</b> 30899: Describe, develop, and maintain basic ventilation systems for a non-coal underground operation</p> <p><b>Add</b> an option for 17705 <b>or</b> 30899 (17705 is already a requirement under Schedule 7)</p> <p><b>Add</b> 30900: Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in a non-coal underground operation</p> <p><b>Add</b> an option for 21281 <b>or</b> 30900 (21281 is already a requirement under Schedule 7)</p> <p><b>Add</b> 31761: Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries</p> <p><b>Add</b> 31762: Demonstrate knowledge of worker health in the extractive industries</p> <p><b>Add</b> an option for 31761 <b>or</b> 31762</p> <p><b>Remove</b> 19522: Undertake job safety analysis</p>
<b>A-grade Quarry Manager – Schedule 8</b>	<p><b>Add</b> 27564: Demonstrate knowledge of leadership in an organisation</p> <p><b>Add</b> 31761: Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries</p> <p><b>Remove</b> 19522: Undertake job safety analysis</p>
<b>B-Grade Quarry Manager – Schedule 9</b>	<p><b>Add</b> 27563: Demonstrate knowledge of teams and team leadership in an organisation</p> <p><b>Add</b> 27564: Demonstrate knowledge of leadership in an organisation</p> <p><b>Add</b> an option for 27563 <b>or</b> 27564</p> <p><b>Add</b> 31761: Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries</p> <p><b>Add</b> 31762: Demonstrate knowledge of worker health in the extractive industries</p> <p><b>Add</b> an option for 31761 <b>or</b> 31762</p> <p><b>Remove</b> 19522: Undertake job safety analysis</p>
<b>Manager of specified quarrying operation – Schedule 10</b>	<p><b>Add</b> 31761: Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries</p>

	<p><b>Add 31762:</b> Demonstrate knowledge of worker health in the extractive industries</p>
	<p><b>Add</b> an option for 31761 <b>or</b> 31762</p>
	<p><b>Remove 19522:</b> Undertake job safety analysis</p>
<b>A-grade Alluvial Mine Manager – Schedule 11</b>	<p><b>Add 27564:</b> Demonstrate knowledge of leadership in an organisation</p>
	<p><b>Add 31761:</b> Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries</p>
	<p><b>Remove 19522:</b> Undertake job safety analysis</p>
<b>B-grade Alluvial Mine Manager – Schedule 12</b>	<p><b>Add 27563:</b> Demonstrate knowledge of teams and team leadership in an organisation</p>
	<p><b>Add 27564:</b> Demonstrate knowledge of leadership in an organisation</p>
	<p><b>Add</b> an option for 27563 <b>or</b> 27564</p>
	<p><b>Add 31761:</b> Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries</p>
	<p><b>Add 31762:</b> Demonstrate knowledge of worker health in the extractive industries</p>
	<p><b>Add</b> an option for 31761 <b>or</b> 31762</p>
	<p><b>Remove 19522:</b> Undertake job safety analysis</p>
<b>A-grade Tunnel Manager – Schedule 13</b>	<p><b>Add 7145:</b> Design and maintain effective ventilation systems for an underground coal mine</p>
	<p><b>Add 30898:</b> Design and maintain effective ventilation systems for a non-coal underground operation</p>
	<p><b>Add</b> an option for 7145 <b>or</b> 30898</p>
	<p><b>Add 21281:</b> Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in an underground coal mine</p>
	<p><b>Add 30900:</b> Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in a non-coal underground operation</p>
	<p><b>Add</b> an option for 21281 <b>or</b> 30900</p>
	<p><b>Add 27564:</b> Demonstrate knowledge of leadership in an organisation</p>
	<p><b>Add 31761:</b> Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries</p>
	<p><b>Remove 19522:</b> Undertake job safety analysis</p>
<b>B-grade Tunnel Manager – Schedule 14</b>	<p><b>Add 17705:</b> Describe, develop and maintain basic ventilation systems for an underground coal mine</p>
	<p><b>Add 30899:</b> Describe, develop, and maintain basic ventilation systems for a non-coal underground operation</p>
	<p><b>Add</b> an option for 17705 <b>or</b> 30899</p>
	<p><b>Add 21281:</b> Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in an underground coal mine</p>
	<p><b>Add 30900:</b> Test for gases, interpret findings, and demonstrate knowledge of follow-up actions in a non-coal underground operation</p>

	<b>Add</b> an option for 21281 or 30900
	<b>Add</b> 27563: Demonstrate knowledge of teams and team leadership in an organisation
	<b>Add</b> 27564: Demonstrate knowledge of leadership in an organisation
	<b>Add</b> an option for 27563 or 27564
	<b>Add</b> 31761: Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
	<b>Add</b> 31762: Demonstrate knowledge of worker health in the extractive industries
	<b>Add</b> an option for 31761 or 31762
	<b>Remove</b> 19522: Undertake job safety analysis
<b>Coal Mine Underviewer – Schedule 15</b>	<b>Add</b> 27564: Demonstrate knowledge of leadership in an organisation
	<b>Add</b> 31761: Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
	<b>Remove</b> 19522: Undertake job safety analysis
<b>Coal Mine Deputy – Schedule 16</b>	<b>Add</b> 27563: Demonstrate knowledge of teams and team leadership in an organisation
	<b>Add</b> 27564: Demonstrate knowledge of leadership in an organisation
	<b>Add</b> an option for 27563 or 27564
	<b>Add</b> 31761: Demonstrate knowledge of assessing, monitoring, and controlling risks to worker health in the extractive industries
	<b>Add</b> 31762: Demonstrate knowledge of worker health in the extractive industries
	<b>Add</b> an option for 31761 or 31762
	<b>Remove</b> 19522: Undertake job safety analysis
<b>Gas Monitor – Schedule 17</b>	<b>Add</b> 24976: Use and maintain the integrity of portable gas detection devices in hazardous areas
<b>Electrical Superintendent – Schedule 18</b>	<b>Add</b> 17055: Manage compliance of explosive atmospheres
	<b>Add</b> 18028: Demonstrate knowledge of earthing in high voltage electricity network installations and works
	<b>Add</b> 26739: Demonstrate introductory underpinning knowledge of electrical equipment in explosive atmospheres
	<b>Add</b> 26740: Demonstrate and apply intermediate underpinning knowledge of electrical equipment in explosive atmospheres
	<b>Add</b> 27564: Demonstrate leadership of leadership in an organisation
	<b>Add</b> 30068: Enter classified explosive atmosphere areas to undertake work
	<b>Add</b> 30069: Determine the explosion-protection requirements specified for classified explosive atmospheres
	<b>Add</b> 32176: Demonstrate knowledge of electrical circuit protection for electricity supply networks

	<p><b>Add</b> 32642: Demonstrate knowledge of de-commissioning, commissioning, and verification of electrical installations</p> <p><b>Remove</b> 19522: Undertake job safety analysis</p>
<b>Mechanical Superintendent – Schedule 19</b>	<p><b>Add</b> 22915: Commission mechanical engineering machinery or plant</p> <p><b>Add</b> 23649: Develop, implement, and review maintenance plans for an extractive site</p> <p><b>Add</b> 27564: Demonstrate knowledge of leadership in an organisation</p> <p><b>Remove</b> 19522: Undertake job safety analysis</p>
<b>Mine Surveyor – Schedule 20</b>	No unit standards to be added
<b>Ventilation Officer – Schedule 21</b>	<p><b>Add</b> 7145: Design and maintain effective ventilation systems for an underground coal mine</p> <p><b>Add</b> 21280: Demonstrate knowledge and evaluate the design of an effective ventilation system in an underground mine</p> <p><b>Add</b> 30898: Design and maintain effective ventilation systems for a non-coal underground operation</p> <p><b>Add</b> an option for 30898 or [7145 and 21280]. i.e. 30898 <b>Or</b> 7145 and 21280</p>
<b>Winding Engine Driver – Schedule 22</b>	No unit standards to be added

## Transitional arrangements

If the amendment safe work instrument is approved, a transitional arrangement would mean that applicants who apply before a certain date, three months after the safe work instrument commences, could apply based on the requirements in the 2023 safe work instrument, not including unit standard '19522 Undertake job safety analysis'.

## Why the proposed safe work instrument is needed

When WorkSafe consulted on the Health and Safety at Work (Mining Operations and Quarrying Operations - Prescribed Competency Requirements for Certificates of Competence) Safe Work Instrument 2023, we indicated that it would be necessary to revise the requirements at a later date, as at that time some of the required unit standards were not offered by extractives industry training providers.

Adding the specified unit standards will ensure that certificate holders achieve the competencies necessary to hold the respective certificates of competence.

It is proposed that unit standard '19522: Undertake job safety analysis' be removed from all relevant certificates of competence, as this subject matter is covered in another risk-focussed unit standard '28983: Carry out the risk management process at an extractive site', and industry has provided feedback that 19522 provides no added value.

## How to have your say

You can find a feedback form and information on providing a submission here: [Consultations | WorkSafe](#)

The deadline for receiving submissions is **5pm on Friday 15 November 2024**.

### Your submission may be made public

The Official Information Act 1982 (OIA) allows New Zealand citizens and permanent residents, or anyone in New Zealand, to request official information from the government. This includes copies of submissions.

WorkSafe will let you know if we receive an OIA request for a copy of your submission. The content of your submission may be made available to the public, though you can indicate in the feedback form that you would prefer your personal information to be kept confidential. WorkSafe will manage any personal information you supply in accordance with the Privacy Act 2020.

## Next steps

Once the consultation has closed, we will consider the feedback, and finalise the safe work instrument. We will publish on WorkSafe's website a summary of the submissions we receive and any changes made to the proposed safe work instrument.

We will present the final safe work instrument to the Minister for Workplace Relations and Safety for consideration. If the Minister approves the safe work instrument, we will publish it on WorkSafe's website.

## Our contact details

If you have any questions about this consultation, please email [regulatory.frameworks@worksafe.govt.nz](mailto:regulatory.frameworks@worksafe.govt.nz)