

## Field      Engineering and Technology

### Review of *Extractive Industries* unit standards

Subfield	Domain	ID
Extractive Industries	Extractive Industries Management	19859, 19861, 19862
	Underground Extraction	16696, 16697, 19858, 19860, 19863, 19864

NZ Motor Industry Training Organisation (MITO) has completed the review of the unit standards listed above.

**Date new versions published**

**21 May 2015**

**Planned review date**

**31 December 2019**

### Summary

MITO's Mines Rescue Working Group, which includes representation from industry and tertiary education organisations, considered the content of these unit standards in conjunction with the development of the new New Zealand qualification for mines rescue.

The review of these standards has resulted in updated outcomes and evidence requirements that reflect current industry practice. The review has also re-aligned the levels to ensure they reflect the NZQF level descriptors, and to ensure they will accord rationally with the Graduate Profile Outcomes in the New Zealand qualification.

The Working Group has endorsed the changes made to the standards, and the expiry of standards 16696, 19860, and 19862.

### Main changes

- The prerequisite entry information was removed from standards 16697, 19859, and 19864.
- Entry information was updated in standards 19858, 19861, and 19863.
- Standards 16697 and 19864 were moved from the *Underground Extraction* domain to the *Extractive Industries Management* domain.
- The level for standards 19859 and 19864 was decreased to better align with the NZQF level descriptors following changes made to their content.
- The titles of standards 19858, 19859, and 19863 were amended to reflect changes made to their content.
- Standards 16696, 19860, and 19862 were designated expiring.
- Explanatory note references and hyperlinks were updated for currency.
- Purpose statements, explanatory notes, outcomes, evidence requirements, and range statements were updated to ensure they are fit for purpose and to ensure clarity for users.

The last date for assessment of superseded versions of these standards is 31 December 2017. Results will not be accepted where the assessment date is after the last date for assessment of the superseded version of the standard.

## Category D unit standards will expire at the end of December 2017

### Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level
Domain	Underground Extraction	6	Standards	16697 and 19864	4

### Impact on Consent and Moderation Requirements (CMR)

None.

### Impact on registered qualifications

Key to type of impact	
<b>Affected</b>	The qualification lists a reviewed classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits The qualification lists a C or D category standard
<b>Not materially affected</b>	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following MITO qualification is impacted by the outcome of this Review. This qualification is included in the Extractives Industries sector review of qualifications that is currently underway. The standards that generated the status *Affected* are listed in **bold**.

Ref	Qualification Title	Classification or ID
1279	National Certificate in Extractive Industries (Underground Mines Rescue)	16697, 19858, <b>19859</b> , 19863

### Detailed list of unit standards – classification, title, level, and credits

All changes are in **bold**.

Key to review category	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
<b>B</b>	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

### Engineering and Technology > Extractive Industries

ID	Domain	Title	Level	Credit	Review Category
16697	Underground Extraction <b>Extractive Industries Management</b>	Deal with mine fires using extinguishing agents	4	3	B

ID	Domain	Title	Level	Credit	Review Category
19864	Underground Extraction <b>Extractive Industries Management</b>	Supervise a mines rescue team during a mines rescue operation	6 4	10	B

## Engineering and Technology &gt; Extractive Industries &gt; Extractive Industries Management

ID	Title	Level	Credit	Review Category
19859	Check, select, operate, recommission, and store mines rescue equipment <b>Check, operate, recommission, and store mines rescue equipment</b>	5 4	15	B
19861	Manage a mines rescue team during underground fire operations	6	10	B
19862	Describe and manage health, fitness, and well being of persons involved in mines rescue operations	5	10	D

## Engineering and Technology &gt; Extractive Industries &gt; Underground Extraction

ID	Title	Level	Credit	Review Category
16696	Operate BG174 oxygen breathing apparatus in a confined area with an irrespirable atmosphere	4	5	D
19858	Describe and operate BG4 breathing apparatus in an irrespirable atmosphere in an underground mine <b>Describe and operate closed circuit breathing apparatus in an underground mine</b>	4	10	B
19860	Recover buried equipment in underground mines	4	15	D
19863	Describe and operate CABA in an irrespirable atmosphere in an underground mine <b>Describe and operate CABA in an underground mine</b>	4	5	B