

## Field      Engineering and Technology

### Registration of skill standard and review of unit standards for *Extractive Industries*

Subfield	Domain	ID
Extractive Industries	Extractive Industries Management	7143, 8902, 17693, 28793
	Underground Extraction	15662, 15666, 30898, 30899

Hanga-Aro-Rau Workforce Development Council has completed the review of the unit standards listed above.

**Date new versions published**

**May 2025**

**Planned review date**

**December 2030**

#### Summary

Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council initiated a combined review of the extractives suite of qualifications and associated unit standards in the Extractive Industries Management and Underground Extraction domains. This industry has undergone extensive health and safety reviews resulting in more stringent regulatory requirements identifying specific unit standards required for compliance. The Technical Advisory Groups (TAG) consisted of industry, regulatory bodies and providers who have consent to assess.

For consistency of provision and for regulatory purposes, where there were minor amendments to unit standards these have been retained, and with standards with major changes skill standards have been developed as required.

#### Main changes

- Standard Setting Body was changed from MITO to Hanga-Aro-Rau Workforce Development Council.
- All unit standards were updated in line with current industry practices, standards, Acts and regulations.
- Terminology was updated to reflect industry standards and practical applicability.

#### Extractive Industries Management

- Unit standards 7143, 8902 and 28793 were set to expire and replaced by new skill standard 40721.
- Unit standard 17693's title was changed, a prerequisite was added, and outcome 4 was updated.

#### Underground Extraction

- Range statements and performance criteria were updated in unit standards 15662, 30898 and 30899.
- Titles were changed in unit standards 15666, and 30899.

**Category C unit standards will expire at the end of December 2027**

**The last date for assessment of superseded versions of Category B unit standards is December 2027**

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

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 > Extractive Industries Management

ID	Title	Level	Credit	Review Category
7143	Inspect and report on safety and operations at an extractive site	5	10	C
8902	Prepare a safety inspection plan for extractive operations	5	4	C
28793	Conduct safety inspections for extractive operations	4	4	C
<b>40721</b>	<b>Implement a health and safety inspection plan for extractive operations</b>	<b>5</b>	<b>12</b>	
17693	Explain and determine water flow, and describe the selection of pumps and structures for an extractive site <b>Explain and determine water flow, and the selection of pumps and structures for an extractive site</b>	6	20	B

### Engineering and Technology > Extractive Industries > Underground Extraction

ID	Title	Level	Credit	Review Category
15662	Evaluate ground conditions and support methods for maintaining stability in underground operations	6	15	B
15666	Demonstrate knowledge of geology for underground extraction <b>Analyse geology for underground extraction</b>	5	10	B
30898	Design and maintain effective ventilation systems for a non-coal underground operation	5	20	B
30899	Describe, develop, and maintain basic ventilation systems for a non-coal underground operation <b>Develop and maintain basic ventilation systems for a non-coal underground operation</b>	4	15	B