

Field Engineering and Technology**Revision and Rollover of *Extractive Industries Management* unit standards**

Subfield	Domain	ID
Extractive Industries	Extractive Industries Management	7142-7144, 8899, 15658, 15660, 15672, 16686, 16687, 17691, 17692, 17693, 17743, 17744, 17979, 17980, 17982, 17984-17986, 17989, 17991, 19859, 19861, 19862, 21823, 22056

The NZ Extractive Industries Training Organisation (EXITO) has completed the rollover of the unit standards listed above.

At the same time, the unit standards shown in **bold** above were revised and rolled over.

Date new versions published

July 2010

Planned review date

December 2012

Summary

These unit standards had passed, or were coming up to, their planned review date. As EXITO is still gathering feedback and input from assessors, moderators, and other stakeholders to inform a full review, these unit standards have been rolled over to maintain their currency in the interim.

At the same time, the unit standards were revised to ensure that legislation, references, and industry terminology are up to date.

Main changes

Changes were made to the purpose statements, special notes, elements, performance criteria and ranges of the unit standards to bring them up to date.

The *Registration Criteria for National Qualifications Framework (NQF) Unit Standards* have been reviewed and replaced with the *Quality assurance criteria for the listing of unit standards on the Directory of Assessment Standards*. The changes made to the criteria during this review reflect the replacement of the NQF and the Register with the New Zealand Qualifications Framework (NZQF) and the Directory of Assessment Standards, the inclusion of criteria for grades, and changes to terminology and format of unit standards. The main changes to terminology are that:

- Special Notes were renamed *Explanatory notes*
- Elements were renamed *Outcomes*
- Performance Criteria were renamed *Evidence requirements*.

The unit standards covered by this report have been published in the new format.

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

All changes are in **bold**.

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

Engineering and Technology > Extractive Industries > Extractive Industries Management

ID	Title	Level	Credit
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site	6	25
7143	Inspect and report on extractive site and operations	5	10
7144	Review and implement plans for ongoing operations of an extractive site	5	15
8899	Plan storage for product processed at extractive sites	4	8
15658	Select excavation and transportation plant for surface extraction	4	8
15660	Analyse and select mining and transportation plant for a metalliferous underground extractive site	6	15
15672	Demonstrate knowledge of the Mines Rescue Service	2	2
16686	Conduct an incident investigation at an extraction site	5	8
16687	Demonstrate knowledge of hazardous substances at an extractive site	3	3
17691	Use mathematics to solve problems in an extractive industries workplace	4	15
17692	Use advanced mathematics to solve problems in an extractive industries workplace	5	15
17693	Explain and determine water flow, select pumps, and structures for an extraction site	6	20
17743	Demonstrate knowledge of survey principles and apply to an extraction site	4	4
17744	Read and interpret an underground extractive site plan	4	5
17979	Describe and operate a belt wagon at an extraction site	4	12
17980	Describe and operate a bucket wheel excavator at an extraction site	4	15
17982	Describe and operate control rooms at an extraction site	4	15
17984	Describe and operate a gravity separation system at an extraction site	4	12
17985	Describe and operate high-capacity slurry pumping systems at an extraction site	4	20
17986	Describe and operate magnetic separation systems at an extraction site	4	12
17989	Describe, operate, and control recyclable water systems at an extraction site	4	12
17991	Describe and operate slurry pumping systems at an extraction site	4	20
19859	Check, select, operate, recommission, and store mines rescue equipment	5	15

ID	Title	Level	Credit
19861	Manage a mines rescue team during underground fire operations	6	10
19862	Describe and manage health, fitness, and well being of persons involved in mines rescue operations	5	10
21823	Analyse and select mining and transportation plant for underground coalmines	6	15
22056	Demonstrate knowledge of theoretical mechanics for extractive industries	5	20