

FIELD ENGINEERING AND TECHNOLOGY**Review of *Blaster Coating* unit standards**

Subfield	Domain	Id
Blaster Coating	Abrasive Blasting	17520-17528
	Blaster Coating Operations	17529-17537, 17547
	Protective Coating	17538-17546

The New Zealand Extractive Industries Training Organisation (EXITO) has completed the review of the unit standards listed above that were registered in August 2000.

Date new versions published

November 2006

Planned review date

December 2011

Summary of review and consultation process

There is a continued demand for the unit standards in the Blaster Coating subfield and feedback from industry and workplace assessors indicated the need for a review of these unit standards. On this basis, selected panels of industry experts were consulted to review the unit standards. The reviewers analysed each unit standard in turn for currency of industry practice, clarity of expression, assessability of content, updating references, levels and credit value, and fitness for purpose.

Main changes resulting from the review

- Unit standards 17530, 17533, and 17536 have been designated expiring.
- Titles of unit standards 17520, 17522, 17525-17529, 17531, 17532, 17534, 17535, 17537, 17539, 17540, 17542, 17543, 17545, 17546, and 17547 have been updated.
- The credit value of 17531 has increased from 5 to 6.
- The credit values of 17545, and 17546 have decreased from 15 to 6 and 15 to 4 respectively.
- Unit standards 17522, 17526, 17527, 17545, and 17546 have been reclassified as indicated in the 'Summary of main changes' table.
- Special notes have been updated to include changes in requirements, legislation, codes of practice, standards, and guidelines.
- Technical terminology has been updated in the elements and performance criteria.
- Change of AMAP – see below.

Unit standards categorised as category D expire at the end of December 2008.

Impact on existing provider accreditations

None.

Impact on existing qualifications

Qualifications that contain the reviewed standards or classifications are tabled below.

Affected	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
Not materially affected	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

In the following tables, qualifications that contain unit standards and classifications in both categories are identified in the *Affected* table, with the items that generated the *Affected* status in **bold**.

The following EXITO qualifications are affected by the outcome of this review and will be reviewed in 2006.

Qualification title	Standard in the qualification
National Certificate in Blaster Coating with optional strands in Exterior, Workshop, and Supervision [Ref: 0800]	17520, 17522, 17528, 17529, 17530 , 17532, 17533 , 17535, 17539, 17542, 17543, 17545 , 17546
National Certificate in Blaster Coating (Level 2) [Ref: 0799]	17525-17527, 17531 , 17534, 17536 , 17537, 17540, 17547

The following qualification is not materially affected by the outcome of this review. The standard setting body (SSB) has been advised and the qualification will be updated when it is next reviewed.

Qualification title	Standard in the qualification	SSB Name
National Certificate in Electricity Supply (Line Mechanic Transmission) (Level 4) [Ref: 0872]	17532, 17537, 17542	Electricity Supply Industry Training Organisation

Accreditation and Moderation Action Plan (AMAP)

The unit standards have been moved from AMAP 0124 to the newly reviewed AMAP 0114.

Standard Setting Body involvement in accreditation process has changed as follows.

From AMAP 0124	
Levels 1-3	Evaluation of documentation by NZQA and industry.
Level 4 and above	Evaluation of documentation and visit by NZQA and industry.
To AMAP 0114	
Levels 1 and 2	Evaluation of documentation by NZQA.
Level 3 and above	Evaluation of documentation and visit by NZQA and industry.

Summary of main changes to standards' Ids, classification, titles, levels, and credits

The following summary shows the changes made to the standards as a result of the review. 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

Subfield Blaster Coating

Id	Domain	Title	Level	Credit	Review Category
17520	Abrasive Blasting	Abrasive blast inside blasting booth Abrasive blast inside a blasting booth	3	4	B
17521	Abrasive Blasting	Abrasive blast fixed structures and oversize plant	3	5	B
17522	Abrasive Blasting Blaster Coating Operations	Apply quality concepts to abrasive blasting Apply quality control concepts to abrasive blasting and protective coating operations	3	10	B
17523	Abrasive Blasting	Demonstrate knowledge of abrasive blasting materials	3	4	B
17524	Abrasive Blasting	Demonstrate knowledge of wet blasting	3	10	B
17525	Abrasive Blasting	Operate blast pot Demonstrate knowledge of and operate abrasive blast pot	3	6	B
17526	Abrasive Blasting Blaster Coating Operations	Operate low-bar water blaster in abrasive blasting environment Describe and operate low-pressure water blaster in an abrasive blasting and protective coating environment	2	10	B
17527	Abrasive Blasting Protective Coating	Prepare surfaces for protective coating Demonstrate knowledge of and prepare surfaces for protective coating application	2	4	B
17528	Abrasive Blasting	Vacuum blast surfaces Demonstrate knowledge of and prepare and vacuum blast surfaces	3	10	B
17529	Blaster Coating Operations	Conduct safety audit for blaster coating operations Conduct safety audit for an abrasive blasting and protective coating operation	3	3	B

Id	Domain	Title	Level	Credit	Review Category
17530	Blaster Coating Operations	Demonstrate knowledge of blaster coating in confined spaces	3	10	D
17531	Blaster Coating Operations	Demonstrate knowledge of blaster coating materials and equipment Demonstrate knowledge of abrasive blasting and protective coating	2	5 6	B
17532	Blaster Coating Operations	Demonstrate knowledge of blaster coating waste disposal Demonstrate knowledge of abrasive blasting and protective coating waste disposal	3	3	B
17533	Blaster Coating Operations	Erect and use access equipment in a blaster coating environment	3	9	D
17534	Blaster Coating Operations	Operate gantry crane at blaster coating workshop Demonstrate knowledge of and operate gantry crane in an abrasive blasting and protective coating workshop	3	5	B
17535	Blaster Coating Operations	Supervise safety on blaster coating site Supervise safety on an abrasive blasting and protective coating site	4	20	B
17536	Blaster Coating Operations	Use forklift for blaster coating operations	3	12	D
17537	Blaster Coating Operations	Work safely in a blaster coating environment Work safely in an abrasive blasting and protective coating environment	2	6	B
17538	Protective Coating	Apply sprayed metallic protective coating under supervision	2	6	B
17539	Protective Coating	Apply wet protective coatings Describe and apply wet protective coatings	4	25	B
17540	Protective Coating	Apply wet protective coating under supervision Prepare for and apply wet protective coatings under supervision	2	6	B
17541	Protective Coating	Demonstrate knowledge of protective coatings and thinners	3	5	B

Id	Domain	Title	Level	Credit	Review Category
17542	Protective Coating	Measure film thickness of protective coatings Demonstrate knowledge of film thickness and measuring instruments, and test protective coatings	3	8	B
17543	Protective Coating	Mix and thin protective coatings Describe safety procedures for, and mix and thin, protective coatings	3	4	B
17544	Protective Coating	Supervise the application of metallic protective coatings	4	20	B
17545	Protective Coating Blaster Coating Operations	Work safely at exterior protective coating site Work safely at an exterior abrasive blasting and protective coating site	3	15 6	B
17546	Protective Coating Blaster Coating Operations	Work safely at protective coating workshop Work safely at an abrasive blasting and protective coating workshop	3	15 4	B
17547	Blaster Coating Operations	Demonstrate knowledge of health and safety in a blaster coating environment Demonstrate knowledge of health and safety in abrasive blasting and protective coating environments	2	5	B