

Field Engineering and Technology**Review of *Blaster Coating* unit standards**

Subfield	Domain	ID
Blaster Coating	Abrasive Blasting	17520-17525, 17528
	Blaster Coating Operations	17522, 17526, 17529, 17531, 17532, 23539, 17537, 17547, 27776
	Protective Coating	13444, 17527, 17538, 17539, 17540, 17541, 17542, 17543, 17544, 17546, 27777

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

Date new versions published

16 April 2015

Planned review date

31 December 2019

Summary

This review of unit standards was conducted in conjunction with the mandatory review of protective coatings qualifications. The *Blaster Coating Operations* and *Protective Coating* domains in the *Blaster Coating* subfield were replaced by the *Protective Coatings* domain in the *Industrial Coating* subfield. New unit standards were developed to meet industry need and existing unit standards in the *Blaster Coating* subfield were reviewed.

Main changes

- The *Engineering and Technology > Blaster Coating > Blaster Coating Operations* and *Engineering and Technology > Blaster Coating > Protective Coating* domains were replaced by the *Engineering and Technology > Industrial Coatings > Protective Coatings* domain.
- Five new unit standards were registered.
- Twenty-six unit standards were reviewed.

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
Subfield	Blaster Coating	Any	Domain	Industrial Coatings> Protective Coatings	Same
				Industrial Coatings> Abrasive Blasting	Same
Domain	Blaster Coating>Abrasive Blasting	Any	Domain	Industrial Coatings> Abrasive Blasting	Same
	Blaster Coating >Blaster Coating Operations	Any	Domain	Industrial Coatings> Protective Coatings	Same
	Blaster Coating >Protective Coating	Any	Domain	Industrial Coatings> Protective Coatings	Same

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 > Blaster Coating > Abrasive Blasting

Engineering and Technology > Industrial Coatings > Abrasive Blasting

ID	Title	Level	Credit	Review Category
17520	Abrasive blast inside a blast booth	3	4	B
17521	Abrasive blast a fixed structure or oversize plant at an exterior site	3	4	B
17523	Demonstrate knowledge of abrasive blasting media	2	4	B
17524	Demonstrate knowledge of wet abrasive blasting	3	4	B
17525	Demonstrate knowledge of and operate abrasive blast pot	3	8	B
17528	Demonstrate knowledge of, operate, and maintain a vacuum blaster for blaster coating operations	3	4	B

Engineering and Technology > Blaster Coating > Blaster Coating Operations

Engineering and Technology > Industrial Coatings > Protective Coatings

ID	Title	Level	Credit	Review Category
17522	Apply quality control concepts to abrasive blasting and protective coating operations	3 4	10	B

ID	Title	Level	Credit	Review Category
17526	Demonstrate knowledge of and operate low-pressure water blaster for blaster coating operations	2 3	4	B
17529	Conduct safety audit for an abrasive blasting and protective coating operation	3	3	B
17531	Demonstrate basic knowledge of abrasive blasting and protective coating	2 3	6	B
17532	Demonstrate knowledge of environmental protection and waste disposal for blaster coating operations	3	3	B
17537	Work safely under supervision in blaster coating operations	2	4	B
17547	Demonstrate knowledge of health and safety for blaster coating operations	2	5	B
23539	Perform pre-start checks, use, and shut down a compressor for blaster coating operations	2 3	2	B
27776	Confirm requirements and prepare for blaster coating operations at an exterior site	3	4	B

Engineering and Technology > Blaster Coating > Protective Coating

Engineering and Technology > Industrial Coatings > Protective Coatings

ID	Title	Level	Credit	Review Category
13444	Inspect protective coating for compliance with specifications	5	25	B
17527	Demonstrate knowledge of and prepare surfaces for protective coating application	2	4	B
17538	Apply sprayed metallic protective coating under supervision	2 3	6	B
17539	Describe and apply wet protective coatings	4	25	B
17540	Prepare for and apply wet protective coatings under supervision	2 3	6	B
17541	Demonstrate knowledge of protective coatings and their thinners	3	5	B
17542	Demonstrate knowledge of film thickness measurement and porosity detection, and test protective coatings	3 4	8	B
17543	Describe safety procedures for, and mix and thin, protective coatings	3	4	B
17544	Supervise metallic protective coating operations	4	20	B
17546	Work safely at a protective coating workshop	3	4	B
27777	Apply protective coating to a fixed structure or oversize plant at an exterior site	3	4	B

Engineering and Technology > Industrial Coatings > Protective Coatings

ID	Title	Level	Credit	Review Category
28773	Select and set up spray equipment for application of protective coatings	3	10	New

ID	Title	Level	Credit	Review Category
28774	Follow basic quality control procedures for protective coating preparation	3	10	New
28775	Follow basic quality control procedures for protective coating application	3	10	New
28776	Manage and maintain abrasive blasting and protective coating equipment	4	10	New
28777	Troubleshoot abrasive blasting and protective coating equipment	4	5	New