

Field Engineering and Technology**Review of *Roadmarking* unit standards**

Subfield	Domain	ID
Highway Construction and Maintenance	Roadmarking	15925, 15931, 15932, 15934-15937, 15941, 15943, 18043, 18045-18050, 18053, 18054, 21418-21420, 21424-21431

The Infrastructure ITO (Connexis) has completed the review of the unit standards listed above.

Date new versions published

April 2017

Planned review date

December 2022

Summary

The review of the unit standards listed above is part of the planned review cycle following the targeted review of qualifications administered by the Infrastructure ITO and reflecting changes that have occurred within the Roadmarking industry.

This extensive review was conducted by a Working Group that focussed on reviewing unit standards relating to the three roadmarking qualifications at Levels 2, 3 and 4. The Working Group was representative of the New Zealand Roadmarkers' Federation, Industry, Assessors, and the Connexis internal Quality Assurance Advisor.

The Working Group focussed on ensuring that the levels and credits were appropriate and the content of the unit standards was current, relevant, achievable, and accurate. As part of the review, all the unit standards were made available for wider industry consultation on the Connexis website, and subsequent responses were taken into account by the Working Group.

Main changes

- The standards were reclassified from the *Roadmarking* domain under the *Highway Construction and Maintenance* subfield to the *Roadmarking* domain under the *Infrastructure Works* subfield.
- The level was increased from 3 to 4 on standards 21425 and 21427 in order to align more accurately with the outcomes.
- The level and credits for standard 15934 were reduced in order to align more accurately with outcomes.
- Legislation, approved codes of practice, guidelines and New Zealand Standards applying to roadmarking operations were updated.
- New Zealand Transport Agency's Technical documents applying to roadmarking have been revised and expired documents were deleted from the guidance information.
- Workplace assessment requirements were updated.
- Outcomes and/or performance criteria were changed in standards 15925, 15934, 15936, 15937, 18045, 18046, 18047, 18049, 18050, 18053, 21419, 21430, and 21431.

The last date for assessment of superseded versions of Category B unit standards is December 2018.

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	Engineering and Technology > Highway Construction and Maintenance	3	Domain	Engineering and Technology > Infrastructure Works > Roadmarking	3
Subfield	Engineering and Technology > Highway Construction and Maintenance	4	Domain	Engineering and Technology > Infrastructure Works > Roadmarking	4
Subfield	Engineering and Technology > Highway Construction and Maintenance	5	Domain	Engineering and Technology > Infrastructure Works > Roadmarking	5
Subfield	Engineering and Technology > Highway Construction and Maintenance	6	Domain	Engineering and Technology > Infrastructure Works > Roadmarking	6
Subfield	Engineering and Technology > Highway Construction and Maintenance	7	Domain	Engineering and Technology > Infrastructure Works > Roadmarking	7
Subfield	Engineering and Technology > Highway Construction and Maintenance	3	Standards	21425, 21427	4
Domain	Engineering and Technology > Highway Construction and Maintenance > Roadmarking	4	Domain	Engineering and Technology > Infrastructure Works > Roadmarking	4

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 > Highway Construction and Maintenance > Roadmarking
 Engineering and Technology > **Infrastructure Works > Roadmarking**

ID	Title	Level	Credit	Review Category
15925	Maintain quality records for roadmarking operations	3	4	B
15931	Perform routine operation checks on roadmarking plant and equipment	2	4	B
15932	Perform quality assurance inspection and sampling for roadmarking	2	4	B
15934	Manage safety and environmental care on roadmarking sites	4 3	6 4	B
15935	Undertake routine maintenance of roadmarking plant and equipment	3	3	B
15936	Remove raised pavement markers from roadway	2	2	B
15937	Install raised pavement markers	2	4	B
15941	Apply non-thermoplastic long-life products for roadmarking	3	10	B
15943	Utilise roadmarking maps and plans for plant operation Utilise maps and plans for roadmarking	3	12	B
18043	Work safely using pilot vehicles for roadmarking on Level 1 roads	2	8	B
18045	Prepare an A-type applicator for roadmarking	3	12	B
18046	Repaint roadmarkings with an A-type applicator	3	15	B
18047	Apply new roadmarkings with an A-type applicator	3	15	B
18048	Prepare a B-type paint applicator for roadmarking	3	12	B
18049	Repaint roadmarkings with a B-type applicator	3	15	B
18050	Apply new roadmarkings with a B-type applicator	3	15	B
18053	Test roadmarking paint applicators	4	25	B
18054	Demonstrate knowledge of safety in the handling of roadmarking long-life products	3	20	B
21418	Demonstrate basic knowledge of materials, plant, and process in roadmarking	2	6	B
21419	Perform basic roadmarking tasks	2	6	B
21420	Demonstrate knowledge of roadmarking materials and processes	3	10	B
21424	Set out simple roadmarking work	2	2	B
21425	Set out complex roadmarking work	3 4	12	B
21426	Perform simple industry calculations for roadmarking application	2	6	B
21427	Perform complex industry calculations for roadmarking application	3 4	10	B
21428	Demonstrate knowledge of health, safety, and environmental requirements of roadmarking operations	3	7	B

ID	Title	Level	Credit	Review Category
21429	Manage health, safety, and environmental requirements in roadmarking Demonstrate knowledge of and apply health, safety, and environmental management requirements in roadmarking	4	8	B
21430	Demonstrate knowledge of specifications used for simple roadmarking	3	10	B
21431	Demonstrate knowledge of specifications used for complex roadmarking	3	10	B