

Six new unit standards have been developed to fill gaps in knowledge and skill coverage.

The two-qualification structure has been repackaged into four national certificates, better reflecting roles within the Roadmarking industry and incorporating the civil construction industry initiative 'Operate Safe'.

Unit standards categorised as category C or D expire at the end of December 2007.

Impact on existing provider accreditations

Current Accreditation for			Accreditation extended to		
Nature of accreditation	Classification or Id	Level	Nature of accreditation	Classification or Id	Level
Subfield	Highway Construction and Maintenance	3	Standards	15934, 21429	4

Impact on Accreditation and Moderation Action Plan (AMAP)

AMAP 0101 has been updated to reflect the changes made to the standards.

Impact on existing qualifications

The following InfraTrain New Zealand qualifications are affected by the outcome of this review and will be reviewed to take account of the changes in July 2005.

Qualification Title

National Certificate in Roadmarking (Assistant) with optional strands in Level 2 and 3 Roads, Line Removal, and Raised Pavement Markers [Ref: 0616]

National Certificate in Roadmarking (Skilled Operator) with optional strands in Long-life Products, Extruded Thermoplastics, Screeded Thermoplastics, Sprayed Thermoplastics, and Testing [Ref: 0617]

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 replacement standard carries the same Id and a new version number
- B** Changes made, but the overall outcome remains the same - the replacement 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 Highway Construction and Maintenance

Domain Roadmarking

Id	Title	Level	Credit	Review Category
15922	Remove redundant roadmarkings from paved surfaces	3	3	C
21432	Demonstrate knowledge of the New Zealand Roadmarkers Federation Line Removal Guide		10	
15925	Maintain quality records for roadmarking operations	3	4	B

Id	Title	Level	Credit	Review Category
15926	Set out for roadmarking	3	12	C
21424	Set out simple roadmarking work	2	2	
21425	Set out complex roadmarking work	3	12	
15927	Perform industry calculations for roadmarking application	3	10	C
21426	Perform simple industry calculations for roadmarking application	2	6	
21427	Perform complex industry calculations for roadmarking application	3	10	
15928	Demonstrate knowledge of health, safety, and environmental requirements of pavement marking	2	5	C
21428	Demonstrate knowledge of health, safety, and environmental requirements of roadmarking operations	3	7	
21429	Manage health, safety, and environmental requirements in roadmarking	4	8	
15930	Locate roadmarking site on maps and plans Locate roadmarking sites using maps and plans	2	3	B
15931	Perform routine operation checks on roadmarking plant and equipment	2	4	B
15932	Perform quality assurance testing and sampling for roadmarking Perform quality assurance inspection and sampling for roadmarking	2	4	B
15933	Demonstrate knowledge of specifications used for roadmarking	3	10	C
21430	Demonstrate knowledge of specifications used for simple roadmarking	3	10	
21431	Demonstrate knowledge of specifications used for complex roadmarking	3	10	
15934	Co-ordinate safety on roadmarking sites Manage safety and environmental care on roadmarking sites	3 4	6	B
15935	Undertake routine maintenance of roadmarking plant and equipment	3	3	B
15936	Remove raised pavement markers from roadway	3 2	4 2	B
15937	Install raised pavement markers	3 2	4	B
15938	Apply extruded thermoplastic for roadmarking Apply machine extruded and screeded thermoplastic for roadmarking	3	15	B
15939	Apply screeded thermoplastic for roadmarking Apply hand screeded thermoplastic for roadmarking	3	15	B
15940	Apply sprayed thermoplastic for roadmarking	3	15	B

Id	Title	Level	Credit	Review Category
15941	Apply cold-plastic longlife products for roadmarking Apply non-thermoplastic long-life products for roadmarking	3	10	B
15942	Apply preformed longlife thermoplastics for roadmarking Apply pre-formed long-life thermoplastics for roadmarking	3 2	12 10	B
15943	Utilise roadmarking maps and plans for plant operation	3	12	B
18043	Work safely using pilot vehicles for roadmarking on level 1 roads Work safely using pilot vehicles for roadmarking on Level 1 roads	2	8	B
18044	Work safely using pilot vehicles for roadmarking on level 2 and 3 roads Work safely using pilot vehicles for roadmarking on Level 2 and 3 roads	2	5	B
18045	Prepare an A-type applicator for pavement marking Prepare an A-type applicator for roadmarking	3	12	B
18046	Repaint pavement markings with an A-type applicator Repaint roadmarkings with an A-type applicator	3	15	B
18047	Apply new pavement markings with an A-type applicator Apply new roadmarkings with an A-type applicator	3	20 15	B
18048	Prepare a B-type paint applicator for pavement marking Prepare a B-type paint applicator for roadmarking	3	12	B
18049	Repaint pavement markings with a B-type applicator Repaint roadmarkings with a B-type applicator	3	15	B
18050	Apply new pavement markings with a B-type applicator Apply new roadmarkings with a B-type applicator	3	20 15	B
18051	Test pavement markings Test roadmarkings	4	20	B
18052	Test a long-life pavement marking applicator Test long-life roadmarking applicators	4	25	B
18053	Test a roadmarking paint applicator Test roadmarking paint applicators	4	25	B
18054	Demonstrate knowledge of safety in the handling of roadmarking thermoplastics 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	New

Id	Title	Level	Credit	Review Category
21419	Perform basic roadmarking tasks	2	6	New
21420	Demonstrate knowledge of roadmarking materials and processes	3	10	New
21421	Describe and complete the New Zealand Roadmarkers Federation Contract Development Checklist	4	25	New
21422	Describe and complete the NZRF Competitive Pricing Procedures Tender Evaluation Checklist	4	25	New
21423	Describe and complete New Zealand Roadmarkers Federation Site Review Checklist	4	15	New