

<b>Title</b>	<b>Undertake and supervise new roadmarking work using a B-type applicator</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	People credited with this unit standard are able to: prepare to undertake and supervise new roadmarking work using a B-type applicator; undertake and supervise new roadmarking work using a B-type applicator; and complete records for new paint applications.
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<b>Classification</b>	Infrastructure Works > Roadmarking
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<b>Available grade</b>	Achieved
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<b>Prerequisites</b>	Class of driver licence and any driver licence endorsement appropriate for the vehicle being driven.
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### Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with relevant industry requirements.
- 2 Legislation and standards relevant to this unit standard include:
  - Hazardous Substances and New Organisms Act 1996;
  - Health and Safety at Work Act 2015;
  - Health and Safety at Work (Hazardous Substances) Regulations 2017;
  - Resource Management Act 1991;
  - Traffic Regulations 1976; available from [www.legislation.govt.nz/](http://www.legislation.govt.nz/);
  - NZS 3910:2013: *Conditions of contract for building and civil engineering construction*;
  - NZS 3915:2005: *Conditions of contract for building and civil engineering construction (where no person is appointed to act as engineer to the contract)*;
  - NZS 5433:2020: *Transport of dangerous goods on land*; available from [www.standards.co.nz/](http://www.standards.co.nz/);
  - The official New Zealand truck loading code 2017;
  - Quality Standard TQS1 and TQS2; available from <https://www.nzta.govt.nz/resources/index.html>;
  - and all subsequent amendments and replacements.
- 3 The title refers to B-type applicators. To clarify this unit standard does not apply to operator-mounted applicators suitable for applying longitudinal markings commonly referred to as B1-type applicators. For A-type applicators refer to unit standard 18045, *Prepare an A-type applicator for roadmarking*.

- 4 It is recommended people achieve Unit 18048, *Prepare a B-type paint applicator for roadmarking*, or demonstrate equivalent knowledge and skills before being assessed against this unit standard.
- 5 **Definitions**  
*Industry requirements* refer to relevant policies, processes, methodologies, industry codes of practice, site specific health and safety plans, standard operating procedures, site safety plans, quality plans, scope of works, work plans, traffic management plans, contract work programmes, job safety analysis, safe work method statements, job instructions, manufacturer's requirements, contract specifications, manuals, procedural documents, Waka Kotahi NZ Transport Agency specifications and guidelines.  
*Road Controlling Authority (RCA)* in relation to a road, means the Minister of Transport, Crown entities, State enterprises, or territorial authorities that control the road.

## Outcomes and performance criteria

### Outcome 1

Prepare to undertake and supervise new roadmarking work using a B-type applicator.

#### Performance criteria

- 1.1 Job plan is checked, and any potential practicality or compliance issues are identified and resolved prior to work taking place.
- 1.2 Tasks of all team members are identified from job plan.
- 1.3 Personal protective equipment is fitted and worn.
- 1.4 B-type applicator is loaded on and unloaded from the transport vehicle or trailer in accordance with the official New Zealand truck loading code 2017.
- 1.5 Equipment is set up for marking to tolerances in accordance with Waka Kotahi NZ Transport Agency specifications.

Range marking – letters, arrows, chevrons, car parks, no stopping;  
 equipment – pointers, paint computers (where fitted).

### Outcome 2

Undertake and supervise new roadmarking work using a B-type applicator.

Range operating one side of the vehicle; marking straight and curved lines, letters, arrows, chevrons, and carparks.

#### Performance criteria

- 2.1 New roadmarking activities are coordinated with the work of sealing contractor and any other subcontractors.

2.2 B-type applicator and transport vehicle are operated in accordance with the traffic management plan and RCA requirements.

Range entry and egress of applicator; placement of cones, signs, and other delineation devices.

2.3 B-type applicator is operated.

Range commencement of marking, temporary halts, cessation of marking, safe disposal of waste.

2.4 Set-outs are checked for practicality and compliance.

2.5 Paint and beads are applied to given set-out markings in accordance with the job plan, with given dry film thickness, and within the location and dimension tolerances specifications.

Range letters, arrows, chevrons, car parks, no stopping, intersections.

2.6 Safety of roadmarking team is monitored and maintained throughout the roadmarking application.

**Outcome 3**

Complete records for new paint applications.

**Performance criteria**

3.1 Materials diary is completed in accordance with Waka Kotahi NZ Transport Agency specifications.

Range paint and bead type; quantities; location and extent of markings.

3.2 Quality assurance records are maintained.

3.3 Health and safety records are maintained.

Range hazard assessment, accident or incident records.

3.4 Stock control forms are completed.

3.5 New markings including recording as-builts are recorded in accordance with Waka Kotahi NZ Transport Agency specifications.

<b>Replacement information</b>	This unit standard, unit standard 18048, and unit standard 18049 replaced unit standard 15945.
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<b>Planned review date</b>	31 December 2026
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	13 February 2001	31 December 2018
Review	2	22 September 2005	31 December 2018
Review	3	20 April 2017	31 December 2018
Review	4	20 July 2017	31 December 2023
Review	5	30 September 2021	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0101
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

#### Comments on this unit standard

Please contact Connexis - Infrastructure Industry Training Organisation [qualifications@connexis.org.nz](mailto:qualifications@connexis.org.nz) if you wish to suggest changes to the content of this unit standard.