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| Title | Perform routine operation checks on roadmarking plant and equipment | | |
| Level | 2 | Credits | 4 |

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| Purpose | <p>This unit standard is designed for a Grade 1 roadmarking operator.</p> <p>People credited with this unit standard are able to: perform routine operation checks and preparation of roadmarking plant and equipment; prepare roadmarking materials for application; and secure vehicle and load for transport.</p> |
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| Classification | Infrastructure Works > Roadmarking |
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| Available grade | Achieved |
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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;
 - Traffic Regulations 1976; www.legislation.govt.nz/;
 - NZS 5433:2020 *Transport of dangerous goods on land*; available at www.standards.co.nz/;
 - and all subsequent amendments and replacements.
- 3 Definition

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.

Outcomes and performance criteria

Outcome 1

Perform routine operation checks and preparation of roadmarking plant and equipment.

Performance criteria

1.1 Fuel, lubricants, and coolant levels are checked and maintained to levels recommended in material supplier instructions.

1.2 Tyre pressure and condition are checked.

1.3 Hubodometer is checked and the reading is recorded.

1.4 Communications equipment is checked.

1.5 Safety equipment is checked and loaded onto the vehicle.

Range spill kit, first aid kit, reflective vest, fire extinguisher, signs, safety cones.

1.6 Cleaning and repair equipment is checked and loaded onto the vehicle.

Range may include but is not limited to – rags, cleaners, broom, tool kit, nozzles, protective caps;
evidence of three cleaning and repair equipment is required.

1.7 Measuring and testing equipment is checked and loaded.

Range may include but is not limited to – tape, measuring wheel, wet film gauge, test plates;
evidence of three measuring and testing equipment is required.

1.8 Maps and plans are checked and loaded.

Outcome 2

Prepare roadmarking materials for application.

Performance criteria

2.1 Material levels are checked and recorded prior to application.

Range material levels may include but is not limited to – white and yellow paint, thermoplastics, beads, thinners, raised pavement markers, adhesives;
evidence of two material levels is required.

2.2 Material levels are adjusted and recorded during the application process.

Range mixing ratios, operating temperatures.

Outcome 3

Secure vehicle and load for transport.

Performance criteria

- 3.1 Load is secured prior to departure in accordance with traffic regulations.
- 3.2 Vehicle is secured in accordance with traffic regulations.

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| Planned review date | 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 | 20 January 1999 | 31 December 2018 |
| Review | 2 | 22 September 2005 | 31 December 2018 |
| Review | 3 | 20 April 2017 | 31 December 2023 |
| Review | 4 | 30 September 2021 | N/A |

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| Consent and Moderation Requirements (CMR) reference | 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 if you wish to suggest changes to the content of this unit standard.