

<b>Title</b>	<b>Operate a self-propelled roller on infrastructure worksites</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>20</b>

<b>Purpose</b>	People credited with this unit standard are able to: describe self-propelled rollers; prepare for roller operations; manoeuvre and control a self-propelled roller on site; use a self-propelled roller to compact materials; and complete post-operational procedures for a self-propelled roller.
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<b>Classification</b>	Infrastructure Works > Civil Plant Operation
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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 required 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 legislative and industry requirements.
- 2 Legislation relevant to this unit standard includes – Health and Safety at Work Act 2015, 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, 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 New Zealand Transport Agency specifications and guidelines.

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### Outcomes and performance criteria

#### Outcome 1

Describe self-propelled rollers.

#### Performance criteria

- 1.1 Self-propelled rollers and their attachments and controls are described in terms of purpose and function, and correct operation.

- 1.2 Types and weights of self-propelled roller are described in terms of their capabilities and limitations, and suitability for specific infrastructure works tasks.
- 1.3 Self-propelled rollers are described in terms of their safety features and requirements for safe use.

## **Outcome 2**

Prepare for roller operations.

### **Performance criteria**

- 2.1 Job instructions are confirmed.
- 2.2 Pre-start check of machine and 360 walkaround are carried out prior to starting work and any required action is taken.
- Range machine operation, damage, wear, and tear.
- 2.3 A risk assessment of the site and machine is carried out, and any identified hazards are eliminated or minimised.
- 2.4 Site communication protocols are confirmed.

## **Outcome 3**

Manoeuvre and control a self-propelled roller on site.

### **Performance criteria**

- 3.1 Roller is manoeuvred and controlled on site with adequate clearances.
- 3.2 Roller is controlled in wet site conditions.
- 3.3 Structures and settings are preserved when manoeuvring roller.
- 3.4 Machine production is maintained at maximum usage relative to the task and the safety of the operator.

## **Outcome 4**

Use a self-propelled roller to compact materials.

### **Performance criteria**

- 4.1 Roller is used for primary and secondary compaction and overlaps in accordance with supervisor's instructions and the work plan.
- Range vibration, static, knead.
- 4.2 Materials are compacted.

- 4.3 Roller is used to compact material adjacent to structures with no damage to machine or structures.
- 4.4 Specified requirements for types of pavement surfacing construction are met in accordance with work plans and hold points.

### Outcome 5

Complete post-operational procedures for a self-propelled roller.

### Performance criteria

- 5.1 Roller is parked, shut down safely and secured, and daily maintenance is carried out.
- 5.2 Roller is inspected, and any faults are reported.

<b>Replacement information</b>	This unit standard replaced unit standard 6462.
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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	30 May 2000	31 December 2014
Review	2	25 September 2006	31 December 2016
Review	3	19 February 2015	31 December 2021
Review	4	27 September 2018	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.