

Title	Operate as a Traffic Controller (TC) for low volume and Level 1 roads		
Level	3	Credits	4

Purpose	<p>This unit standard is for people who may be appointed, subject to guidance and monitoring by a Site Traffic Management Supervisor (STMS), to supervise the establishment, maintenance, and removal of temporary traffic management (TTM) for low volume and Level 1 roads.</p> <p>People credited with this unit standard are able to: describe requirements for ensuring the safety of people while working at sites under TTM; describe safe practice for movement and parking of plant at sites under TTM; identify powers and authorities in relation to a TTM situation; carry out an on-site check of a Traffic Management Plan (TMP), and recommend changes to the STMS; establish, maintain, and remove TTM equipment on one’s own and by supervising others; and supervise the manual traffic control process.</p>
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Classification	Highway Construction and Maintenance > Temporary Traffic Management
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Available grade	Achieved
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Prerequisites	A current Transit New Zealand Level 1 roads Traffic Controller (TC) (or higher) qualification.
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Guidance Information

- Compliance is required with the following legislation and Rule:
 Health and Safety in Employment Act 1992;
 Health and Safety in Employment Regulations 1995;
 Transport Act 1962;
 Land Transport Act 1998;
 Traffic Regulations 1976;
 Land Transport Rule (Rule 54001) (Setting of Speed Limits) 2003.
- Relevant specifications
 The current issue of the *Code of Practice for Temporary Traffic Management* (CoPTTM) produced by Transit New Zealand; and such other specifications as are required by the road controlling authority (RCA) on its network must be complied with. CoPTTM replaces outdated codes, including the *G/1 Specification for Temporary Traffic Control* (G1). Due to existing contractual arrangements, there may

be instances where G1 is still an applicable specification; in such instances CoPTTM in this unit standard is to be read as G1.

3 Range

This unit standard applies to TTM for any activity that varies the normal operating condition of any road designated as low volume or Level 1 by the RCA. Examples of activities are road maintenance or construction; utility or service maintenance or construction; public event; slips, flooding, or other emergency response; demolition; tree felling; and surveying.

The workforce may range from a single worker to a large group.

Night safety is included for the practical components of this unit standard.

For the purposes of this unit standard the TMP for Outcome 4 must be one for which a number of recommendations can be made to the STMS to improve it.

Assessment for Outcome 4 may include evidence from simulated and/or actual situations.

Assessment for Outcomes 5 and 6 must include verified evidence from actual site/s.

4 Knowledge and skills demonstrated in gaining the Transit New Zealand Level 1 roads Traffic Controller (TC) (or higher) qualification may be used as evidence towards this unit standard.

5 Definitions

Company procedures means all documented policies, procedures, and methodologies of the candidate's employer at the time of assessment, including but not limited to those relating to health, safety, environment, quality, administration, and operations.

Low volume roads are roads with an annual daily traffic measurement of under 500 vehicles and are designated as such by the RCA.

Level 1 roads are all roads that are not designated by the RCA as low volume or Level 2 or 3 roads;

Road users, for the purpose of this unit standard, refers to vehicles, people, and animals within, or approaching, a site under TTM.

Plant refers to machinery and to light and heavy vehicles that participate in, and/or have access to, the work operation.

Site, for the purpose of this unit standard, includes a worksite within a road reserve.

Road reserve refers to the area between legal boundaries, usually fence line to fence line, and dedicated to allow the passage of road users including any safety run-off areas. It also includes 6m airspace directly above the road surface. Where activity takes place outside the road reserve, but has the potential to impact on the road reserve, this activity would be included as a worksite within the road reserve.

TTM equipment refers to equipment specifically used for TTM, including worksite protection, and includes but is not limited to temporary signs, delineation devices, and barriers.

Work equipment, as distinct from TTM equipment, includes but is not limited to tools and plant used in the safe working area of the work operation.

Outcomes and performance criteria

Outcome 1

Describe requirements for ensuring the safety of people while working at sites under TTM.

Performance criteria

- 1.1 Description identifies protective items to be worn in accordance with CoPTTM and company procedures.
- Range high-visibility clothing, foot protection; may include but is not limited to – hard hat, overalls, eye protection, hearing protection.
- 1.2 Description includes checking overhead clearances for work equipment and protection from underslung loads, to ensure personal safety in accordance with company procedures.
- Range overhead safety factors may include but are not limited to – overhead wires, truck hoists.
- 1.3 Description identifies the protected work zone and the surrounding safety zones that must not be breached.
- 1.4 Description explains site entry and exit procedures as covered by CoPTTM.
- Range on foot, by vehicle.
- 1.5 Description includes reporting and recording of near misses and crashes in accordance with the Health and Safety in Employment Act, CoPTTM, and company procedures.

Outcome 2

Describe safe practice for movement and parking of plant at sites under TTM in accordance with relevant specifications.

Performance criteria

- 2.1 Description explains the requirement to use designated entry and exit ways.
- 2.2 Description explains the requirement to confine plant and off-loaded materials within the protected work zone.
- 2.3 Description explains the requirement to move and park with traffic flows, including use of flashing lights.
- 2.4 Description explains the requirements for parking so as not to obscure road users' sight of the roadway, and for parking up when not in use.

Outcome 3

Identify powers and authorities in relation to a TTM situation.

Performance criteria

- 3.1 Powers of the RCA (or delegated agent/s) and Police to require the modification or removal of TTM sites are identified in relation to CoPTTM.
- 3.2 Powers and authority of the STMS or appointed Traffic Controller to ensure that visitors and on-site personnel comply with TTM requirements are identified in relation to the TMP and CoPTTM.

Outcome 4

Carry out an on-site check of a TMP, and recommend changes to the STMS.

Range for a static operation, for a mobile operation.

Performance criteria

- 4.1 An initial check is carried out following STMS briefing and to ensure that the plan has been formally approved as required by CoPTTM.
- 4.2 Site is checked to identify any inconsistencies between the plan and the site.
- Range advance warning, direction and protection, end of works; as applicable – vertical and horizontal curves, intersections, height restrictions, position of works on road, signage, road users, work vehicles and equipment.
- 4.3 Recommendations regarding the plan are referred to the designated STMS in accordance with company procedures.
- Range may include but is not limited to – overcoming hazards, improving traffic flow.

Outcome 5

Establish, maintain, and remove TTM equipment on one's own and by supervising others.

Performance criteria

- 5.1 Set-out of TTM equipment is conducted safely in accordance with company procedures and STMS briefing.
- Range vehicle flashing lights, high-visibility clothing, visibility distances, sequence of setting out.

- 5.2 TTM equipment is placed in accordance with TMP and RCA requirements.
- Range three different traffic management set-ups; placement includes but is not limited to – spacings, taper lengths, signs facing correct direction.
- 5.3 TTM equipment is monitored and maintained to comply with CoPTTM.
- Range includes but is not limited to – correct heights, not mixing delineation devices, serviceable condition, scheduling of checks.
- 5.4 Work equipment is set up so as not to breach the surrounding safety zone specified in the TMP.
- Range three different traffic management set-ups; placement on the ground; may include swing arcs of excavators, cranes, and elevated working platforms.
- 5.5 Removal of TTM equipment is carried out safely in accordance with company procedures and STMS briefing.
- Range vehicle flashing lights, high-visibility clothing, visibility distances, sequence of removal.

Outcome 6

Supervise the manual traffic control process.

Performance criteria

- 6.1 Supervision ensures manual traffic control is in accordance with CoPTTM.
- Range length of site, positive traffic control, positioning.
- 6.2 Supervision ensures stop-and-go paddle is operated in accordance with CoPTTM and any RCA requirements.
- 6.3 Supervision ensures manual traffic controller/s use eye contact to gain and maintain motorists' attention.
- 6.4 Supervision ensures co-ordinated traffic control is carried out in accordance with CoPTTM.
- 6.5 Supervision ensures motorists exceeding displayed speed signs are reported in accordance with company procedures.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 June 1996	31 December 2022
Review	2	30 May 2000	31 December 2022
Revision	3	13 March 2001	31 December 2022
Review	4	27 May 2002	31 December 2022
Review	5	27 October 2004	31 December 2022
Revision	6	16 May 2005	31 December 2022
Review	7	23 January 2020	31 December 2022

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>.