

Title	Operate as a Site Traffic Management Supervisor (STMS) for low volume and Level 1 roads		
Level	5	Credits	3

Purpose	People credited with this unit standard are able to: carry out planning and design for temporary traffic management (TTM) on low volume and/or Level 1 road/s; carry out on-site checks of Traffic Management Plans (TMPs) and make changes; supervise the implementation of TTM; carry out a formal audit of TTM for a site; supervise the maintenance of TTM; and supervise the removal of TTM.
----------------	---

Classification	Highway Construction and Maintenance > Temporary Traffic Management
-----------------------	---

Available grade	Achieved
------------------------	----------

Prerequisites	A current Transit New Zealand Level 1 roads Site Traffic Management Supervisor (STMS) (or higher) qualification.
----------------------	--

Guidance Information

- 1 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.
- 2 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 CoPTTM replaces outdated codes, including the *G/1 Specification for Temporary Traffic Control* (G1).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.

For the purposes of this unit standard the TMPs for Outcome 2 must be ones for which a number of changes can be made to improve them.

Assessment for Outcomes 2 and 4 may include evidence from simulated and/or actual situations.

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

Assessment for Outcomes 3, 5, and 6 must include verified evidence from actual site/s.

- 4 a Knowledge and skills demonstrated in gaining the Transit New Zealand Level 1 roads Site Traffic Management Supervisor (STMS) (or higher) qualification may be used as evidence towards this unit standard.
- b In order to gain the Transit New Zealand Level 1 roads Site Traffic Management Supervisor (STMS) qualification, people must hold the Transit New Zealand Level 1 roads Traffic Controller (TC) qualification.

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.

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.

- 6 Recommended: Unit 5627, *Operate as a Traffic Controller (TC) for low volume and Level 1 roads*, or demonstrate equivalent knowledge and skills.

Outcomes and performance criteria

Outcome 1

Carry out planning and design for TTM on low volume and/or Level 1 road/s.

Performance criteria

- 1.1 Site is assessed in terms of traffic management required.
- Range work activity to be undertaken, equipment, time to complete, workers, road users, contingency.
- 1.2 Traffic Management Plan (TMP) approval process is described in terms of typical roles, responsibilities, authorities required, and sequence of events.
- 1.3 TMP produced meets CoPTTM, Rule 54001, and RCA requirements, and enables work to be conducted safely in terms of the Health and Safety in Employment Regulations.
- Range temporary speed restrictions, TTM equipment and layout, unscheduled traffic delay, overnight safety; may include but is not limited to provision for – peak-hour traffic on commuter routes, heavy pedestrian traffic.

Outcome 2

Carry out on-site checks of TMPs and make changes.

Range one each of – static operation, mobile operation.

Performance criteria

- 2.1 An initial check ensures that the plan has been formally approved as required by CoPTTM.
- 2.2 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.
- 2.3 Changes to the plan are made in accordance with company procedures and CoPTTM.
- Range may include but is not limited to – overcoming hazards, improving traffic flow.

Outcome 3

Supervise the implementation of TTM.

Performance criteria

- 3.1 Supervision includes TTM briefing for the Traffic Controller and/or workers in accordance with company procedures and the TMP.

- 3.2 Supervision ensures that hazard plans are implemented to protect people laying out TTM equipment in accordance with the TMP.
- Range vehicle flashing lights, high-visibility clothing, visibility distance, sequence of layout.
- 3.3 Supervision ensures that TTM equipment is placed to face approaching traffic in accordance with the TMP.
- 3.4 Layout is checked by drive through from both directions in accordance with the TMP.
- 3.5 Supervision ensures re-establishment or major modification of TTM is carried out at the site in accordance with the TMP and CoPTTM.
- 3.6 Supervision ensures temporary speed restrictions and changes to them are recorded in accordance with LTSA and company procedures.

Outcome 4

Carry out a formal audit of TTM for a site.

Performance criteria

- 4.1 Audit is carried out in accordance with the Transfund audit procedures contained in the CoPTTM.

Outcome 5

Supervise the maintenance of TTM.

Performance criteria

- 5.1 Supervision ensures site layout is monitored according to CoPTTM during operations and that defects are rectified in accordance with company procedures to ensure TTM equipment remains in place, is functional and visible, and the protected area is not breached.
- 5.2 Supervision ensures road user behaviour is monitored regularly during operations for traffic build-up and for vehicles and pedestrians following the planned route, and corrective action is taken to rectify any variation or unsafe situation.
- 5.3 Supervision ensures unattended site is checked periodically to ensure that TTM equipment is maintained in accordance with the TMP, and to note any problems with traffic and pedestrian flow.

Outcome 6

Supervise the removal of TTM.

Performance criteria

6.1 Supervision ensures that TTM equipment is removed, in accordance with the TMP and CoPTTM.

Range vehicle flashing lights, high-visibility clothing, visibility distance, sequence of removal.

6.2 Emergency removal of TTM equipment is described in terms of contingency provisions within the TMP.

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 October 2004	31 December 2022
Revision	5	16 May 2005	31 December 2022
Review	6	23 January 2020	31 December 2022

Consent and Moderation Requirements (CMR) reference	0101
--	------

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.