

Section I-19: Register of TTM equipment approved for use on NZ roading network

16 October 2018

Version 2.2



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Version control

Version	Date	Comments
Version 2.1	2 October 2018	Added version control Amended details for BARTCO Solar & LED Portable Traffic Light Signals Model CS-200 <ul style="list-style-type: none">• Added date for extension of validity• Added endorsement as per Schedule C – BTLC100 Controller
Version 2.2	16 October 2018	Added xNet to register

Process to register new TTM equipment for use on NZ roading network

The NZ Transport Agency maintains a register of new TTM equipment that has been approved for use on the roading network within New Zealand.

To gain approval for TTM equipment to be added to this register the supplier must:

Action	Comments
Provide evidence of safe and reliable operation of the TTM equipment	<ul style="list-style-type: none"> • Evidence can be obtained from: <ul style="list-style-type: none"> – Existing research – Conducting of trials (approved by NZTA)
Confirm that the TTM equipment meets relevant requirements as detailed in the TCD Rule	<ul style="list-style-type: none"> • Sometimes this confirmation will require testing by the NZTA approved laboratory (eg portable traffic signals)
Provide a detailed Operator Guide	<ul style="list-style-type: none"> • Operator guide to include: <ul style="list-style-type: none"> – Safe operation of the equipment – Installation and removal procedures (if required) – Any specific TTM requirements

Suppliers wishing to have their product added to the register should contact:

The Senior Traffic and Safety Engineer (COPTTM)

DDI 04 894 6355

M 021 533 503

Copttm.qualis@nzta.govt.nz

Register of new TTM equipment approved for use on NZ roading network

Stop/Go temporary traffic control system

Product	Supplier	Contact details	Operator guide
RoboSign <i>(Remote controlled Stop/Go temporary traffic control system)</i>	CSP Pacific	Sue Walker Technical Support & Marketing Manager DDI: 09 634 1239 Mobile: 021 431858 www.csppacific.co.nz	Operator Guide: RoboSign Stop/Go Traffic Control System
The Gibney <i>(Stop/Go barrier arm for positive traffic management)</i>	Fulton Hogan – Signs & Graphics	Phone: 0800 274 463 e-mail signs@fultonhogan.com	The Gibney Operators Guide

Speed humps

Product	Supplier	Contact details	Operator guide
PSH-3 <i>(Portable speed hump)</i>	PWS (Premier Workplace Solutions)	PO Box 51, Paihia 0247, Bay of Islands 09 402 6750 sales@pwsonline.co.nz	Operator Guide: NZTA conditions - Speed Hump
TO70-2 <i>(Portable speed hump)</i>	RTL	RTL Auckland - 09 259 2600 RTL Wellington - 04 232 3774 RTL Christchurch - 03 336 0086 RTL Invercargill - 03 211 0300	Operator Guide: NZTA conditions - Speed Hump

Road plates

Product	Supplier	Contact details	Operator guide
Road plate	Vanguard	7 Peterkin Street, Wingate, Lower Hutt PO Box 38055, Wellington Mail Centre 5045 0800 500 147 info@vanguardgroup.co.nz vanguardgroup.co.nz	Operator Guide: Vanguard road plate

Portable Traffic Signals

Introduction

All portable signal systems are to comply with the Australian Standard AS 4191- 1994. A list of compliant systems is attached.

Implementation

Contractors are required to apply to the Road Controlling Authority (RCA) to use portable signal systems. Application must be made on the Traffic Management Plan (TMP) and the details of the system must be provided in the other information section of the TMP. The representative of the RCA must ensure that the system is listed as compliant before signing off the TMP.

Future Approvals

New systems can be tested to AS 4191-1994 standards at either a qualified independent Australian Laboratory, or at OPUS Central Laboratories, Petone New Zealand. New approvals will be added as they pass testing. Testing is to be undertaken at own expense.

For details of testing or to have a portable signal system tested apply to:

Senior Traffic and Safety Engineer (CoPTTM)

NZ Transport Agency

Private Bag 6995

Wellington

Approved Traffic Signal Systems – as 4191 – 1994 Compliant

NZTA Reg No.	Signal System Name	Manufacturer or supplier	Approving Laboratory or Authority	Date of Approval	Comment
1	Sykes Safeway Portable Traffic Signals	Sykes Pumps Australia	Vicroads Cert 1977 - 16	1 - Dec - 97	
	Sykes Safeway Portable Traffic Signals	Sykes Pumps Australia	RTA NSW 9504 - PTS3AR1 - 0 - 1	26 - Sep - 97	
2	BARTCO Portable Traffic Signals Model no. BTEPTS	Bartco Traffic Equipment Pty Ltd	Allan Woodward Consultancy Services	25 - Oct - 05	
	BARTCO Solar & LED Portable Traffic Light Signals Model CS-200	Bartco Traffic Equipment Pty Ltd	RTA NSW 0807 - PTS3AR1 - 0 - 1	4 - Jul - 08 19 Mar 2014 Approval validity extended by five years 6 Feb 2015 Endorsement as per Schedule C - BTLC100 Controller	
3	A1 Roadlines Portable Traffic Light Signal System Model No. PTC - 1000	A1 Roadlines Pty Ltd	RTA NSW 0005 - PTS3AR1 - 0 - 1	18 May 00 Endorsements 17 - Jan - 05 1 - Feb - 05 9 - Mar - 05	Extended to include a solar Model and a CS200 Controller.

NZTA Reg No.	Signal System Name	Manufacturer or supplier	Approving Laboratory or Authority	Date of Approval	Comment
4	Temporary Traffic Signals MPB4000	International Safety Products	Opus International Consultants, Central Laboratories, Lower Hutt report 528024.00	27 - Apr - 07	Extended to include use of remote controller.
5	Harding Traffic Systems modified LZA 500 Traffic Signals	Harding Traffic Signals	Opus International Consultants, Central Laboratories, Lower Hutt report 528024.05	Interim Acceptance July 2011 expiring 31 Dec 11 Approval from 1/1/2012	The signal system is composed of a Adolf Nissen Elektrobau CmbH, model LZA 500, as modified by Harding Traffic Systems, the Nissen signal lanterns have been replaced with Aldridge Traffic Signal Lanterns (Aldridge Traffic Signals Pty Ltd, model 2000, part No. RA553. Note: This system does not include remote manual control.
6	Data Signs Pty Ltd Portable Traffic Signals PTL- 300	Trans Tasman Engineering Ltd	Opus International Consultants, Central Laboratories, Lower Hutt Report Ref No. 528024.10 Dated: February 2014	Interim Acceptance Expiry Date: 31/12/2013 Acceptance Feb 2014 The portable traffic signals come in two versions; one being 'wheel barrow' mounted and the other trailer mounted.	This has been assessed and accepted by New South Wales Roads and Marine Services (RMS). The RMS assessment does not confirm with AS 4191 - 1994. The system is currently awaiting a final records check by OPUS Research to confirm that it meets the requirements of AS4191 - 1994. Final check by OPUS Research completed February 2014.

NZTA Reg No.	Signal System Name	Manufacturer or supplier	Approving Laboratory or Authority	Date of Approval	Comment
7	Peter Berghaus MPB 3200 and 3400 traffic signals	International Safety Products NZ Ltd (trading as Peter Berghaus NZ)	Opus International Consultants, Central Laboratories, Lower Hutt Report Ref No. 528024.08 Dated September 2013	Acceptance September 2013	
8	Traffic Signs NZ Ltd, Model: Smart Switch Vehicle Activated (SSVA)	Traffic Signs NZ Ltd P:07 575 0505 M:027 2212 999	Opus International Consultants, Central Laboratories, Lower Hutt Report Ref No. 528024.13 Dated July 2016	1 July 2016	<p>The system is capable of manual, fixed-time and vehicle-actuated modes of operation.</p> <p>At this time, the SSVA is only a two signal system, with the signals communicating with a radio (wireless) link (Maximum Site Length 2 km).</p> <p>Note: In this system, the fixed-time mode uses the radio link to keep the signal sequence synchronised (unlike many other systems, where fixed-time mode is intended for use when there is no link between the signals).</p>
9	Horizont Multi-Signal Type 26420	Trans Tasman Engineering Ltd	Opus International Consultants, Central Laboratories, Lower Hutt Report 528024.14	Final Approval: March 2017	<p>Section 3.2 requires the maximum site length to be taken as that as measured by the Assessment Agency (Opus). This was measured as 700m with a clear line of sight between the signals - at greater separations radio communication was intermittent.</p> <p>This system must not be applied over 700 metres.</p>

Vehicle Arrest Systems

Product	Supplier	Contact details	Operator guide
xNet	QinetiQ	<p>QinetiQ Cody Technology Park, Ively Road, Farnborough, Hampshire GU14 0LX United Kingdom Tel +44(0) 01252 392000 customercontact@QinetiQ.com www.QinetiQ.com</p> <p>AMA Jim Bernhard Engineering Manager, Auckland Motorways DDI +64 9 539 9141 M +64 27 477 9508 jim.bernhard@ama.nzta.govt.nz aucklandmotorways.com</p>	<p>User manual - X-Net ® 3T(LH) Vehicle Lightweight Arresting Device</p> <p>AMA SOP 10 TTM020 X-Net Vehicle Arrest System Deployment</p>

Other categories and products to be added to the register as they are approved