

Part 8 of the Traffic Control Devices Manual (TCD Manual)

Code of Practice for Temporary Traffic Management (CoPTTM)

(CoPTTM) - (SP/M/010)

Fourth Edition – Technical Note: Revised requirements for STMS panels for high visibility garments (and minor edit on requirements for standard garment)

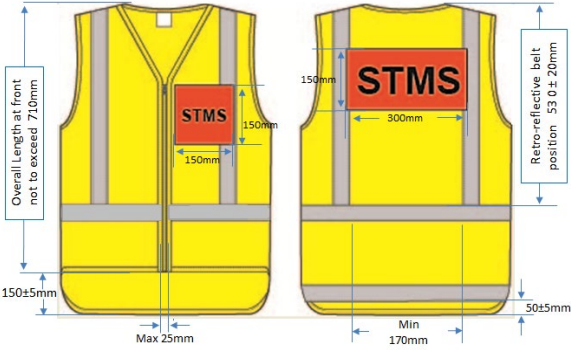
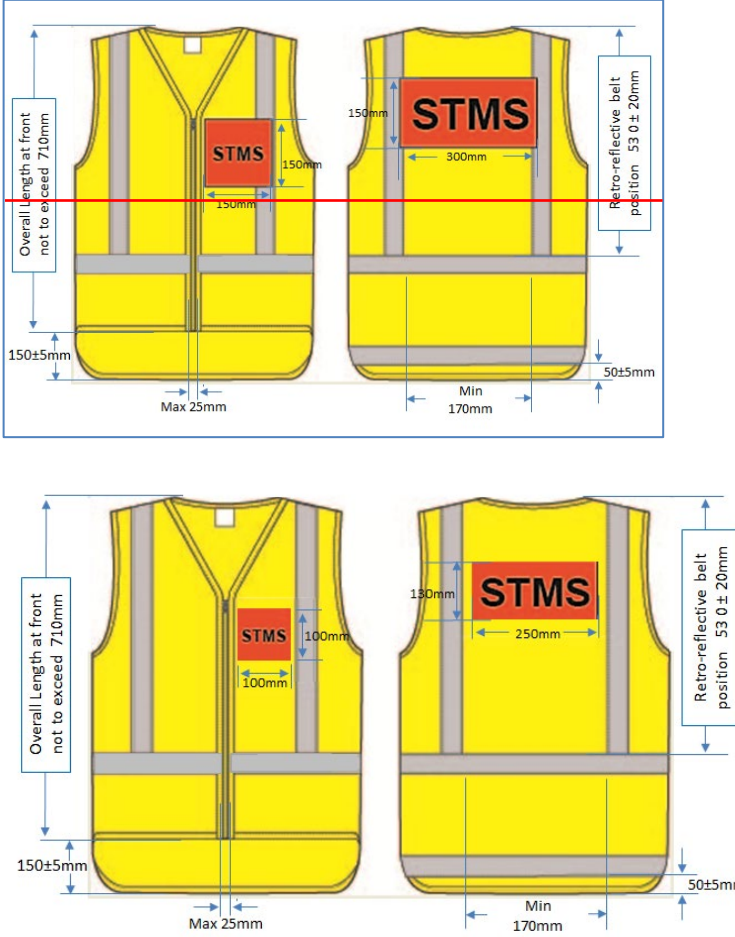
Prepared By:	Kim Laurenson on behalf of Senior CoPTTM Advisor
Date of Issue:	22 February 2019

Circulation	Regional Operations Managers, holders of the Code of Practice for Temporary Traffic Management and NZTA website. Please forward to your consultants and contractors.
Objective	To update the November 2018 version of the Fourth Edition of the CoPTTM.
Effective Date	In order to provide manufacturers and suppliers sufficient time to incorporate STMS garment design changes, effective immediately and for a period until 31 October 2019 , complying with CoPTTM Edition 4 and this technical note will be adjudged equally compliant. From 1 November 2019 , all STMS panels and garments manufactured must comply with the specifications in this technical note.
Status	This document is a guideline for use by the roading industry, road controlling authorities, network utility operators and event holders.
Implications	Includes changes to the manufacturer's specifications for high visibility garments.
Reminder for all holders	It is important to keep holders of our documents up to date.
Additional copies	These may be downloaded from NZTA's website, free of charge or purchased direct from our distributor either via the website, or directly to NZ Print, PO Box 2491, Wellington, 6140.

Key to changes	New or amended text	Highlighted in yellow
	Deleted text	Red strike through
	Comments about the change	<i>Italic text</i>

Reference in 4 th Edition	Current CoPTTM November 2018	Change in CoPTTM November 2018	Comment
<p>B3.4 Garment design</p>	<p>The publication of Amendment 1:2016 to the Australian and New Zealand Standard AS/NZS 4602.1:2011 has required the amendment of the CoPTTM section B3 in order to maintain harmony with the 4602.1:2011 Standard.</p> <p>In order to provide manufacturers and suppliers sufficient time to incorporate design changes, effective immediately and for a period until February 28th 2019, garments complying with CoPTTM Edition 4 February 2017 will be adjudged equally compliant.</p> <p>From 1st March 2019, all garments manufactured must comply with the TTMC-W17 specifications.</p>	<p>Standard garment design</p> <p>The publication of Amendment 1:2016 to the Australian and New Zealand Standard AS/NZS 4602.1:2011 has required the amendment of the CoPTTM section B3 in order to maintain harmony with the 4602.1:2011 Standard.</p> <p>In order to provide manufacturers and suppliers sufficient time to incorporate design changes, effective immediately and for a period until 28 February 28th2019, garments complying with CoPTTM Edition 4 February 2017 will be adjudged equally compliant.</p> <p>From 1stMarch 2019, all garments manufactured must comply with the TTMC-W17 specifications.</p> <p>STMS garment design</p> <p>In order to provide manufacturers and suppliers sufficient time to reduce the STMS panel dimensions to ensure that the STMS panel does not overlay any retroreflective material, effective immediately and for a period until 31 October 2019, garments complying with CoPTTM Edition 4 and this technical note will be adjudged equally compliant.</p> <p>From 1 November 2019, all STMS garments manufactured must comply with the TTMC-W17 specifications except that the larger STMS panels may continue to be used until currently held stocks are exhausted provided garment size ensures no panel covers any retroreflective material.</p>	<p><i>A lead time to enact the change that specifies the STMS panel must not cover any of the retroreflective material has been provided even though the current size STMS panel remains suitable for use on larger sizes until currently held STMS panels are used.</i></p>

Reference in 4 th Edition	Current CoPTTM November 2018	Change in CoPTTM November 2018	Comment
<p>B3.4.2.1 STMS sleeveless vest</p>	<ul style="list-style-type: none"> a retro-reflective fluorescent orange red panel measuring 150mm x 150mm (±10mm) must be placed on the upper left front of the garment. This panel may cover some of the retro-reflective element at the front and replaces the permitted logo area. Refer to subsection B3.2 Logo 	<ul style="list-style-type: none"> a retro-reflective retroreflective fluorescent orange red panel measuring 150mm x 150mm (±10mm) 100mm x 100mm (±10mm) must be placed on the upper left front of the garment. This panel may must not cover some any of the retro-reflective retroreflective elements material at on the front of the garment and replaces the permitted logo area. Refer to subsection B3.2 Logos <p>Note: XS size and smaller STMS garment sizes may use a special reduced size panel graded to achieve the design</p>	<p><i>In order for STMS garment to comply with AS/NZS 4602.1, the STMS panel must not cover any of the retroreflective material (Amendment 1:2016 disallows this).</i></p>
	<ul style="list-style-type: none"> a retro-reflective fluorescent orange red panel measuring 300mm x 150mm (±10mm) must be placed on the upper back of the garment, between the retro-reflective braces. This panel may cover some of the retro-reflective elements at the back. 	<ul style="list-style-type: none"> a retro-reflective retroreflective fluorescent orange red panel measuring 300mm x 150mm (±10mm) 250mm x 130mm (±10mm) must be placed on the upper back of the garment, between the retro-reflective retroreflective braces. This panel may must not cover some any of the retro-reflective retroreflective elements at material on the back. <p>Note: XS size and smaller STMS garment sizes may use a special reduced size panel graded to achieve the design.</p>	

Reference in 4 th Edition	Current CoPTTM November 2018	Change in CoPTTM November 2018	Comment
<p>B3.4.2.1 STMS sleeveless vest Figure 2A</p>	 <p>Figure 2A: STMS sleeveless vest (100-105cm test size).</p>	<p>Replaced Figure 2A with revised Figure 2A</p>  <p>Figure 2A: STMS sleeveless vest (100-105cm test size).</p>	<p><i>In order for STMS garment to comply with AS/NZS 4602.1, the STMS panel must not cover any of the retroreflective material (Amendment 1:2016 disallows this).</i></p>

Reference in 4 th Edition	Current CoPTTM November 2018	Change in CoPTTM November 2018	Comment																						
<p>B3.4.2.1 STMS sleeveless vest</p>	<p>The legend, STMS, must be displayed on the back and front left orange red panels in the following manner:</p> <table border="1" data-bbox="434 424 1001 699"> <tr> <td>Colour</td> <td colspan="2">Black</td> </tr> <tr> <td>Font</td> <td colspan="2">Helvetica Bold</td> </tr> <tr> <td rowspan="2">Letter Height</td> <td>Front</td> <td>50±2mm</td> </tr> <tr> <td>Back</td> <td>100±2mm</td> </tr> </table> <p>The optional retroreflective cross configuration on the back of a garment is not permitted for STMS garments.</p> <p>The STMS sleeveless vest may be substituted by a long sleeved coat, overalls or miscellaneous garment design but must maintain the STMS badging and colour specification.</p>	Colour	Black		Font	Helvetica Bold		Letter Height	Front	50±2mm	Back	100±2mm	<p>The legend, STMS, must be displayed on the back and front left orange red panels in the following manner:</p> <table border="1" data-bbox="1039 389 1697 663"> <tr> <td>Colour</td> <td colspan="2">Black</td> </tr> <tr> <td>Font</td> <td colspan="2">Helvetica Bold</td> </tr> <tr> <td rowspan="2">Letter Height</td> <td>Front</td> <td>50±2mm 35±5mm</td> </tr> <tr> <td>Back</td> <td>100±2mm 85±5mm</td> </tr> </table> <p>Note: Letter height for size XS and smaller STMS garment panels may use an appropriate letter height.</p> <p>The optional retroreflective cross configuration on the back of a garment is not permitted for STMS garments.</p> <p>The STMS sleeveless vest may be substituted by a long sleeved coat, overalls or miscellaneous garment design but must maintain the STMS badging and colour specification.</p>	Colour	Black		Font	Helvetica Bold		Letter Height	Front	50±2mm 35±5mm	Back	100±2mm 85±5mm	<p><i>STMS letter height will need to be reduced in accordance with the panel size.</i></p>
Colour	Black																								
Font	Helvetica Bold																								
Letter Height	Front	50±2mm																							
	Back	100±2mm																							
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	Back	100±2mm 85±5mm																							
<p>B3.4.1 Sleeveless vest</p>	<ul style="list-style-type: none"> each brace must be spaced a minimum of 150mm apart at the belt, front and back as shown in Figure 1 	<ul style="list-style-type: none"> each brace must be spaced a minimum of 150 170mm apart at the belt, front and back as shown in Figure 1 	<p><i>Minor edit to requirements for standard garment. Corrects discrepancy between graphic and text. Graphic shows the correct spacing.</i></p>																						