

AMENDMENTS TO AS/NZS 4602.1:2011

BACKGROUND

AS/NZS 4602.1:2011 is a joint Australian and New Zealand standard covering high visibility safety garments. The Standard outlines the strict design requirements of such garments and refers to another standard (AS/NZS 1906.4:2010) for the specification of materials that are used in the garments. Recent changes (Amendments No 1:2016 and No 2:2020) have been made to AS/NZS4602.1:2011 which impact manufacturing requirements for compliance. Manufacturers of high-visibility garments need to be familiar with these amendments to ensure future compliance. Furthermore, in amendment No 2 the designation became AS 4602.1:2011.

“Manufacturers of high-visibility garments need to be familiar with these amendments to ensure future compliance”

LIST OF AMENDMENTS

- The garment tested has to be one that will fit chest size 100 – 105 cm. This design shall remain consistent throughout the size range, increasing or decreasing proportionately with the design integrity.
- Section 6.4.5 (dispensation for small garments) has been deleted because of the above amendment.
- The waist has been defined as 530 + 20 - 70 mm. This means that when testing, we can use this definition for locating the waist for the purpose of measurement and the position of the waist hoop. As per the standard, when there is a discontinuity of the background material we will set our bottom line at that point for the measurement of the area of the background material.
- The elbow has been defined as a point no more than 400 mm below the underarm point.
- The underarm point is defined, and in the case of batwing sleeves, the junction point is 300mm below the highest shoulder point vertically to the side seam.
- The use of non-fluorescent background material has been clarified. Materials capable of accepting fluorescent dye cannot be classed as non-fluorescent. It applies to garments made from natural fibres.
- The top horizontal line for measurement has been more clearly defined as the highest point at the shoulder and Figure 1 has been redrawn to reflect this.
- Contrasting thread for functional or structural seam purpose is now stated as being allowable.
- Figures 2 and 3 showing tape placement have been redrawn and are now easier to follow. Extra dimensions have been added.
- The RF tape has to be at least 50mm (NZ) or at least 25 mm wide (Australia) - previously they were 50±1mm and 25±1mm.
- It is recommended that the size should include the intended wearer’s body chest measurement in the sewn-in permanent label.
- Appendix A has been updated (taking out the small size instruction), with clearer diagrams.
- The test report has to include the chest measurement taken 300 mm vertically below the highest shoulder point and any size information on the garment.
- Appendix C has a new paragraph that refers to the risk assessment that should be conducted if overlays or patches are added post manufacture.

TESTING REQUIREMENTS

The garment tested must be intended to fit chest size 100-105cm. The Waka Kotahi NZTA CoPTTM Nov 2018 (TTMC-W17) was changed to reflect this.



Therefore the same garment can now be tested to both specifications.

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