Occupational Health and Safety Products No. 93A
(Supersedes Occupational Health and Safety Products No. 93 – Ref No. N16-019)

Date: January 4, 2017

Effective Date: September 1, 2017
Apply Before March 1, 2017

See Attachment 1 for affected Class Numbers.
To purchase the Standard, visit us at www.shop.csa.ca

Who is affected?
Manufacturers of High-Visibility Safety Apparel and Components.

What do you do?
1. CSA Group Service Delivery staff will contact you to address compliance with each revision as applicable to the product designs covered in your affected Certification Reports. In addition to updates to your Certificate(s) of Compliance & Report(s), testing may be required to comply with these revisions.

2. Please respond within thirty (30) days of receiving CSA Group’s “Application for CSA Certification Services” and “Quotation” communication. You must respond no later than March 1, 2017 in order to guarantee the update to your certification is completed by September 1, 2017. If testing is needed, we will inform you of the samples required.

Approvals:
This is the third edition of CSA Z96, High-visibility safety apparel. It supersedes the previous editions published in 2009 and 2002. This Standard was prepared by the Technical Committee on High Visibility Apparel, under the jurisdiction of the Strategic Steering Committee on Occupational Health and Safety, and has been formally approved by the Technical Committee

Major Revisions:
See attachment 2

Background and Rationale:
See attachment 3

For questions specific to your file or products contact your CSA Group technical staff associate.
Go to http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ and enter your Master Contract # and the class numbers associated with this Notice to determine which of your products are affected.

For technical questions on this Certification Notice Contact Sally Guo by phone 416.747.2348, fax 416.747.4149 or e-mail sally.guo@csagroup.org

The standard edition or amendments announced in this Notice may be used for certification as of the date of issue of this Notice. The “Effective date” in this Notice is the date on which the current requirements, applicable to Certified products listed in the affected class numbers, expire and the standard edition or amendments announced in this Notice become the only requirements that may be used for certification.

In the event that currently certified products do not comply with the latest requirements outlined in this Notice after the “effective date”, the certification of such models may be discontinued.
ATTACHMENT 1

Affected Class Numbers

Class No:
7201 01, OCCUPATIONAL HEALTH AND SAFETY PRODUCTS - High-Visibility Safety Apparel (HVSA)
7201 30, OCCUPATIONAL HEALTH AND SAFETY PRODUCTS - Components – Retroreflective or Combined Performance Stripes/Bands for HVSA
7201 31, OCCUPATIONAL HEALTH AND SAFETY PRODUCTS - Components – Background Materials for HVSA
7201 34, OCCUPATIONAL HEALTH AND SAFETY PRODUCTS – Components - Supplemental items for High-Visibility Safety Apparel (HVSA)

ATTACHMENT 2

Major Revisions of Z96-15 published in November 2015

<table>
<thead>
<tr>
<th>Z96-15</th>
<th>Revisions</th>
</tr>
</thead>
<tbody>
<tr>
<td>2, Reference publications</td>
<td>The following reference standards were updated:</td>
</tr>
<tr>
<td></td>
<td><strong>AATCC (American Association of Textile Chemists and Colorists)</strong></td>
</tr>
<tr>
<td></td>
<td>- 8-2013 Colorfastness to Crocking: AATCC Crockmeter Method</td>
</tr>
<tr>
<td></td>
<td>- 15-2013 Colorfastness to Perspiration</td>
</tr>
<tr>
<td></td>
<td>- 16.3-2014 Colorfastness to Light: Xenon-Arc</td>
</tr>
<tr>
<td></td>
<td>- 22-2010 Water Repellency: Spray Test</td>
</tr>
<tr>
<td></td>
<td>- 35-2013 Water Resistance: Rain Test</td>
</tr>
<tr>
<td></td>
<td>- 61-2013 Colorfastness to Laundering: Accelerated</td>
</tr>
<tr>
<td></td>
<td>- 107-2013 Colorfastness to Water</td>
</tr>
<tr>
<td></td>
<td>- 127-2013 Water Resistance: Hydrostatic Pressure Test</td>
</tr>
<tr>
<td></td>
<td>- 132-2013 Colorfastness to Drycleaning</td>
</tr>
<tr>
<td></td>
<td>- 133-2013 Colorfastness to Pleating: Steam Pleating</td>
</tr>
<tr>
<td></td>
<td>- 135-2012 Dimensional Changes of Fabrics after Home Laundering</td>
</tr>
<tr>
<td></td>
<td><strong>ANSI/ISEA (American National Standards Institute/International Safety Equipment Association)</strong></td>
</tr>
<tr>
<td></td>
<td>- 107-2010 American National Standard for High-Visibility Safety Apparel and Headwear Devices</td>
</tr>
<tr>
<td></td>
<td><strong>ASTM (American Society for Testing and Materials)</strong></td>
</tr>
<tr>
<td></td>
<td>- D1776-08e1 Standard Practice for Conditioning and Testing Textiles</td>
</tr>
<tr>
<td></td>
<td>- D2724-07 (2011)e1 Standard Test Methods for Bonded, Fused, and Laminated Apparel Fabrics</td>
</tr>
<tr>
<td></td>
<td>- E96/E 96M-13 Standard Test Methods for Water Vapor Transmission of Materials</td>
</tr>
<tr>
<td></td>
<td>- E284-13b Standard Terminology of Appearance</td>
</tr>
<tr>
<td></td>
<td>- E1164-12 Standard Practice for Obtaining Spectrometric Data for Object-Color Evaluation</td>
</tr>
<tr>
<td></td>
<td>- F1506-10a Standard Performance Specification for Flame Resistant and Arc Rated Textile Materials for Wearing</td>
</tr>
</tbody>
</table>
- Apparel for Use by Electrical Workers Exposed to Momentary Electric Arc and Related Thermal Hazards
- F1891-12 Standard Specification for Arc and Flame Resistant Rainwear

**CEN (European Committee for Standardization)**
- EN 530:2010 Abrasion Resistance of Protective Clothing Material — Test methods

**CGSB (Canadian General Standards Board)**
- CAN/CGSB-4.2 No. 11.2-M89 Textile Test Methods — Bursting Strength — Ball Burst Test
- CAN/CGSB-4.2 No. 19.1-2004 Textile Text Methods — Colourfastness to Washing — Accelerated Test — Launder-Ometer
- CAN/CGSB-4.2 No. 20-M89 Textile Test Methods — Colourfastness to Water
- CAN/CGSB-4.2 No. 22-2004 Textile Test Methods — Colourfastness to Rubbing (Crocking)
- CAN/CGSB-4.2 No. 23-M90 Textile Test Methods — Colourfastness to Perspiration
- CAN/CGSB-4.2 No. 29.1-M89 Textile Text Methods — Colourfastness to Dry Cleaning Solvent
- CAN/CGSB-4.2 No. 57-M90 Textile Test Methods — Determination of Maximum Safe Ironing Temperature
- CAN/CGSB-4.2 No. 58-2004 Textile Test Methods — Colourfastness and Dimensional Change in Domestic Laundering of Textiles
- CAN/CGSB-86.1-2003 Care Labelling of Textiles
- CAN/CGSB-155.20-2000 Workwear for Protection Against Hydrocarbon Flash Fire

**CGSB/ISO (Canadian General Standards Board/International Organization for Standardization)**

**NFPA (National Fire Protection Association)**
- 2112-2012 Standard on Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire

**ISO (International Organization for Standardization)**
- 105-B02:2014 Textiles — Tests for colour fastness — Part B02: Colour fastness to artificial light: Xenon arc fading lamp test
- 4675:1990 Rubber- or plastics-coated fabrics — Low-temperature bend test
- 6330:2012 Textiles — Domestic washing and drying procedures for textile testing
- 7854:1995 Rubber- or plastics-coated fabrics — Determination of resistance to damage by flexing
- 20471:2013 High-visibility clothing — Test methods and requirements

### 3 Definitions

**Definition added:**
- Non-continuous stripes/bands — stripes/bands of retroreflective material that do not appear to be solid and homogeneous across their width.
### Garment class and design
- Clause 4.1.1 of Z96-15 removed the color ranges Table 3 for combined performance strips of Z96-09.
- Clause 4.2.1.8 added a new design requirement for leg and arm bands for Class 3 apparel.
- Clause 4.2.4.1 modified the requirements for optional ID patches and lettering:
  1. Increased the allowable area of the non-reflective ID patches or lettering from 100cm² to 105 cm².
  2. Added a new requirement: If the non-on the front of the garment — a maximum of 25 cm² of either or both of the vertical stripes/ bands may be covered.

### Requirements for background and combined-performance retroreflective materials
- Clause 5.1.2 modified and combined the color ranges and the luminance factor requirements (see table 2) for the fluorescent background material and the combined-performance retroreflective materials.

### Photometric and physical performance requirements for retroreflective materials
- Clause 6.1.1 added non-continuous stripes/bands to allow the apparel to use non-continuous stripes that meet the requirements of Table 5, 6, or 7, as applicable.

### Test methods
- 7.4.6 Washing according to care label

### Table 2
**Colour — Fluorescent background and combined-performance material**
The color ranges and the luminance factor were changed.

### Annex A (informative)
**Selection, use, and care guidelines**
This edition incorporates advice on selection, use, and care of high-visibility safety material taken from the CSA Z96.1 Guideline.

---

Major revision of Z96-15 revised in February 2016

Revision of Z96-15 published in February 2016 corrected the test method of Clause 5.2.1 from “AATCC 16, Test Option 5” to “AATCC 16.3, Test Option 3”.

**ATTACHMENT 3**

Background and Rationale

In order to provide clients with sufficient time to comply with the new requirements, the effective date for compliance with the new standard is extended from December 1, 2016 to September 1, 2017.