INTERNATIONAL SAFETY EQUIPMENT ASSOCIATION

ANSI/ISEA 107-2015

American National Standard for High-Visibility Safety Apparel And Accessories

ANSI/ISEA 107-2015

(REVISION OF ANSI/ISEA 107-2010)

American National Standard for
High-Visibility Safety Apparel and Accessories

Secretariat

International Safety Equipment Association

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American National Standards Institute, Inc.

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Foreword

(This Foreword is not part of American National Standard ANSI/ISEA 107-2015)

ANSI/ISEA 107-2015 is latest revision of a voluntary industry consensus standard that was first published in 1999 and revised in 2004 and 2010. Prior to its initial publication there was no regulation or guideline for the design, performance or materials for high visibility PPE in the United States. Since 1999, the standard has been recognized by federal, state and local authorities as well as private industry. Current US Department of Transportation, Federal Highway Administration (FHWA) regulations have required workers on or near Federal-aid highways to wear Class 2 or Class 3 garments, and the 2009 revision to the Manual on Uniform Traffic Control Devices (MUTCD) extends this provision to workers on all roadways in the United States.

The need to be seen is recognized as a critical issue for worker safety. Low visibility is a serious hazard for all workers who must perform tasks near moving vehicles or equipment. Workers must be visible to vehicle operators in all lighting conditions and against complex environmental backgrounds. The sooner a vehicle operator sees a pedestrian worker, the longer the operator has to avoid an incident. High visibility safety apparel and accessories dramatically enhance worker visibility.

This new edition consolidates the requirements of ANSI/ISEA 107-2010 and ANSI/ISEA 207, *American National Standard for Public Safety Vests* in an effort to establish a single, comprehensive document that considers all occupational tasks. While the standard continues to present three performance classes of garments based on the amount of visible materials and design attributes incorporated into the final configuration, it also identifies garment types based on expected use settings and work activities being performed. These are designated as off-road (type O), roadway and temporary traffic control (type R), or public safety activities (type P).

Fit and comfort of high-visibility safety apparel play an important role in worker acceptance of wearing these items as part of their daily activity. While previous editions provided some freedom in design that resulted in smaller sized garments capable of meeting the standard's requirements, specifiers and users wearing garments classified as Performance Class 2 under the ANSI/ISEA 107-2010 standard edition had expressed concern regarding appropriately fitting compliant garments for smaller sized workers. Garments that are not properly sized to fit can expose workers to catch hazards or interfere with other protective gear, potentially compromising worker safety.

In response, the ANSI/ISEA 107-2015 standard edition now includes provisions for Type R Performance Class 2 and Performance Class 3 garments in the smallest size offered to utilize a reduced amount of background material to allow for sizing more appropriate for smaller workers. It is stressed that these reduced amounts are intended to address the smaller sized workers' needs specifically, that only the smallest size offered for any one garment be allowed to deviate from the stated minimum and that the resulting configuration using these amounts be consistent with the other sizes for that particular garment.

Additionally and in recognizing the growing use of high-visibility accessory items such as arm bands or headwear, the standard defines minimum material requirements for these accessories. New labeling requirements will identify the garment by performance class, type and by its flame resistance characteristics as defined in the standard. ANSI/ISEA 107-2015 also expands the examples of garment configurations to illustrate compliant and non-compliant designs.

This revision was prepared by members of the High Visibility Products Group of the International Safety Equipment Association (ISEA). The following companies were members of the group at the time of the approval of the standard:

511 Tactical Series
Arcwear.com
Blauer Manufacturing
ERB Industries
Ergodyne
Honeywell Safety Products
Kimberly-Clark Corporation
M.L. Kishigo Manufacturing
Lakeland Industries
3M Company
MCR Safety
MSA Safety
NASCO Industries
National Safety Apparel
OccuNomix International
ORAFOL Americas, Inc.
Pacific Safety Supply
Performance Textiles, Inc. (div. of Brand and Oppenheimer)
Protective Industrial Products
Radians, Inc.
Safe Reflections
Tingley Rubber
Vartest Laboratories

This standard was processed and approved using consensus procedures prescribed by the American National Standards Institute. The following organizations were contacted prior to the approval of this standard. Inclusion in this list does not necessarily imply that the organization concurred with the submittal of the proposed standard to ANSI.

American Contractors Insurance Group
Atlas Industrial Contractors
Cintas Corporation
City of Hillsboro
Colorado Department of Transportation
Daoming Optics and Chemical
Denton Companies
E&B Pavings
Emergency Responders Safety Institute
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Suggestions for the improvement of this standard are welcome. Send suggestions to:

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