



Technical Data Bulletin

Highlights of ANSI 107-2015 Standard Update – *What’s Changing and What You Need to Know*

1. The ANSI 107 and ANSI 207 standards are now combined

Previously, the ANSI 207 standard applied only to public safety vests. The ANSI 207 standard has been incorporated into the ANSI 107 standard, resulting in a newly organized document. The ANSI 207 emergency responder garments have been expanded to include more than public safety vests, but still remain a separate and distinct category unique to emergency and incident responders.

2. Added are New “Type” designations – Type O: Off-road, Type R: Roadway, Type P: Public Safety

The new ANSI 107-2015 standard incorporates new type designations. These designations categorize garments by intended use.

A new category, Type O: Off-road was created to address the needs of users who can experience exposure to vehicle or equipment struck-by hazards, but are not required to meet FHWA regulations for highway use. These industries may include applications in mining, oil and gas, delivery, warehouse, and transportation.

Fabric and Reflective Requirements									
Garment Type	Type "O"	Type "R"		Type "P"		Supplemental Items	Accessories		
Designation	Off-road	Roadway		Fire, Police, EMS Personnel		Garments with Legs, including Gaiters	Gloves	Arm or Leg Bands	Headwear
Performance Class	Class 1	Class 2	Class 3	Class 2	Class 3	Class E	NA	NA	NA
Background Material Amounts	217 in ²	775 in ^{2*}	1240 in ^{2**}	450 in ²	775 in ²	465 in ²	10 in ²	24 in ²	78 in ²
Reflective Material Amounts	155 in ²	201 in ²	310 in ²	201 in ²	310 in ²	109 in ²	10 in ²	24 in ²	10 in ²
Width Minimums of Reflective Material	1"	1.38" 1" for split trim designs	2" 1" for split trim designs	2" 1" for split trim designs	2" 1" for split trim designs	2" 1" for split trim designs	1"	1"	1"
Previous Standard and Class	ANSI 107 Class 1	ANSI 107 Class 2	ANSI 107 Class 3	ANSI 207	NEW!	ANSI 107 Class E	NEW!	NEW!	Headwear

*Type R, Class 2 garments can have the smallest size in the size range compliant to the standard with a minimum of 540 in² in background material to accommodate smaller workers. All larger sizes must have a minimum of 775 in². No reduction in retroreflectivity is allowed and 201 in² is still the required minimum.

** Type R, Class 3 garments can have the smallest size in the size range compliant to the standard with a minimum of 1000 in² in background material to accommodate smaller workers. All larger sizes must have a minimum of 1240 in². No reduction in retroreflectivity is allowed and 310 in² is still the required minimum.

3. New Accommodations for Small-Sized Workers (Type R Garments: Class 2 and Class 3)

Historically, Type R fluorescent material area requirements made it challenging to fit smaller workers (size small or less). Table 1 now includes an explanatory footnote for Type R “roadway” Class 2 and Class 3 garments describing an allowance for a reduced minimum area requirement, for the smallest size garment that is offered in a given design, to better accommodate small-sized workers. Please see Table 1 in the standard for more information.

A Redefined Accessory Category

Gloves, arm/leg bands, headwear, hoods and other kinds of accessories have been added to a redefined Accessories category in the new ANSI 107-2015 standard. Manufacturers can now choose to sell accessories with ANSI/ISEA 107 photometric performance and ANSI/ISEA 107-2015 certification.

This brief summary of certain changes to ANSI 107 was prepared by 3M PSD. It does not represent an official or legal or necessarily complete description of the standard. For complete details, the standard itself should be reviewed. A copy of the standard can be obtained at safetyequipment.org.

See safetyequipment.org for a complete copy of the ANSI/ISEA 107-2015 Standard.

