



Second Correlating Revision No. 1-NFPA 1950-2024 [Global Input]

Revise the following chapter titles as shown:

- 5 Technical Rescue Protective Ensembles ~~Scope and~~ Certification Requirements (NFPA 1951)
- 6 Technical Rescue Protective Ensembles Labeling and Information (NFPA 1951)
- 7 Technical Rescue Protective Ensembles Design Requirements (NFPA 1951)
- 8 Technical Rescue Protective Ensembles Performance Requirements (NFPA 1951)
- 9 Technical Rescue Protective Ensembles Test Methods (NFPA 1951)
- 10 Emergency Medical Operations Protective Clothing ~~Scope and~~ Certification Requirements (NFPA 1999)
- 11 Emergency Medical Operations Protective Clothing Labeling and Information (NFPA 1999)
- 12 Emergency Medical Operations Protective Clothing Design Requirements (NFPA 1999)
- 13 Emergency Medical Operations Protective Clothing Performance Requirements (NFPA 1999)
- 14 Emergency Medical Operations Protective Clothing Test Methods (NFPA 1999)
- 15 Wildland and Urban Interface Protective Clothing and Equipment ~~Scope and~~ Certification Requirements (NFPA 1977)
- 16 Wildland and Urban Interface Protective Clothing and Equipment Labeling and Information (NFPA 1977)
- 17 Wildland and Urban Interface Protective Clothing and Equipment Design Requirements (NFPA 1977)
- 18 Wildland and Urban Interface Protective Clothing and Equipment Performance Requirements (NFPA 1977)
- 19 Wildland and Urban Interface Protective Clothing and Equipment Test Methods (NFPA 1977)

Submitter Information Verification

Committee: FAE-AAC

Submittal Date: Tue Jul 30 21:00:20 EDT 2024

Committee Statement

Committee Statement: Product descriptors are added to the chapter titles to assist users in navigating the standard.



Second Correlating Revision No. 11-NFPA 1950-2024 [Detail]

In Table B.4, revise the 3rd paragraph of the Test Method Description (column 2) for Test Method 18.3.6 Puncture Resistance Test as follows:

The force required to puncture each sample is recorded then averaged, and the samples have to resist puncture under at least 40 N (8.9 9 lbf) of force.

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
1950_SCR-11_Detail_TableB.4.docx	For staff use	

Submitter Information Verification

Committee: FAE-AAC
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Committee Statement

Committee Statement: The secondary units conversion is corrected. 40 N is equal to 8.99 lbf, which rounds to 9 lbf. (See Second Correlating Revision 10 on 18.3.6.)



Second Correlating Revision No. 2-NFPA 1950-2024 [Section No. 1.3]

1.3 Application.

This standard can be applied as follows:

- (1) Chapters 1 through 9 and Annexes A and D constitute ~~the 2025 edition of~~ NFPA 1951.
- (2) Chapters 1 through 3 and 10 through 14 and Annexes A, C, and D constitute ~~the 2025 edition of~~ NFPA 1999.
- (3) Chapters 1 through 3 and 15 through 19 and Annexes A, ~~through B~~, and D constitute ~~the 2025 edition of~~ NFPA 1977.
- (4) Chapter 49 20 constitutes the requirements for multifunctional protective ensembles.

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Committee Statement

Committee Statement: All references to the edition year of the standard are removed from the text to eliminate potential conflicts when the edition year changes by the time the standard is issued.

[SR-101-NFPA 1950-2024](#)



Second Correlating Revision No. 14-NFPA 1950-2024 [Sections

4.1.7, 4.1.8, 4.1.9]

4.1.7

The certification organization shall not issue any new certifications based on the following standards on or after the NFPA effective date of ~~the 2024~~ this edition of NFPA 1950:

- (1) 2020 edition of NFPA 1951
- (2) 2022 edition of NFPA 1977
- (3) 2018 edition of NFPA 1999

4.1.8

The certification organization shall not permit any manufacturer to continue to label any products that are certified as compliant with the 2020 edition of NFPA 1951, the 2022 edition of NFPA 1977, or the 2018 edition of NFPA 1999 on the effective date of ~~the 2024~~ this edition of NFPA 1950, plus 18 months.

4.1.9

The certification organization shall require manufacturers to remove all certification labels and product labels indicating compliance with the 2020 edition of NFPA 1951, the 2022 edition of NFPA 1977, or the 2018 edition of NFPA 1999 from all products that are under the control of the manufacturer on the effective date of ~~the 2024~~ this edition of NFPA 1950, plus 18 months, and the certification organization shall verify that this action is taken.

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Committee Statement

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Second Correlating Revision No. 21-NFPA 1950-2024 [Section No. 6.1]

6.1 Product Label Requirements.

6.1.1*

Each element of the protective ensemble shall have a product label or labels permanently and conspicuously located inside each element when the element is properly assembled with all layers and components in place.

6.1.1.1

For goggles, the product labels shall be permitted to be detachable labels or tags attached to the goggles, or package labels printed on or attached to the package containing the smallest number of goggles from which the user withdraws a pair of goggles for use.

6.1.1.2

Where package labels are used, the package label shall be located on the outside of the package or printed on the package and shall not be removed, obscured, or otherwise mutilated by the opening of the package when the package is opened as intended.

6.1.2

Configuration of the product label and attachment of the product label shall not interfere with the legibility of any printed portion of the product label.

6.1.3

Multiple label pieces shall be permitted in order to carry all statements and information required to be on the product label; however, all label pieces that make up the product label shall be located adjacent to each other.

6.1.4*

The certification organization's label, symbol, or identifying mark shall be permanently attached to the product label or shall be part of the product label. All letters shall be at least 2.5 mm ($\frac{3}{32}$ in.) high. The label, symbol, or identifying mark shall be at least 6 mm ($\frac{1}{4}$ in.) in height and shall be placed in a conspicuous location.

6.1.5

All worded portions of the required product label shall be printed at least in English.
Supplementary labels shall also meet this requirement.

6.1.6

Symbols and other pictorial graphic representations shall be permitted to be used to supplement worded statements on the product label(s) where the symbols and pictorial graphic representations are clearly explained in the product's user information package.
Supplementary labels shall also meet this requirement.

6.1.7*

Nonvisual/machine readable tags providing a means for electronic dissemination or tracking of information shall be permitted in addition to the labels required in Section 6.1.

6.1.7.1

Nonvisual/machine readable tags shall be permitted to include all or a portion of the information required in Section 6.1.

6.1.7.2

Nonvisual/machine readable tags shall meet the applicable requirements in Chapter 8.

6.1.8

For technical rescue protective ensemble elements, the following statement shall be printed as specified in 6.1.6 on the product label and all letters shall be at least 2.5mm ($\frac{3}{32}$ in.) high :

THIS TECHNICAL RESCUE PROTECTIVE ENSEMBLE [insert appropriate element term here] MEETS THE REQUIREMENTS OF NFPA 1950 (1951) , STANDARD ON PROTECTIVE ENSEMBLES FOR TECHNICAL RESCUE INCIDENTS , 2020 [insert edition year] . EDITION.

DO NOT REMOVE THIS LABEL.

6.1.8.1

The element term shall consist of one of the following:

- (1) GARMENT
- (2) HELMET
- (3) GLOVE
- (4) FOOTWEAR
- (5) GOGGLE

6.1.8.2

For technical rescue helmets and emergency medical helmets meeting the requirements of NFPA 1951 and NFPA 1999 , the following statement shall be permitted to be used in place of the statement specified in 6.1.8 :

THIS TECHNICAL RESCUE AND EMERGENCY MEDICAL PROTECTIVE HELMET MEETS THE REQUIREMENTS OF NFPA 1950 (1951 and 1999) , [insert edition year] EDITION.

DO NOT REMOVE THIS LABEL!

6.1.9

Where technical rescue garments meet the optional requirements for blood-borne pathogen liquid barrier protective garments, the following statement shall also be printed on the product label as specified in 6.1.7 immediately following the statement in 6.1.8:

THIS GARMENT MEETS THE OPTIONAL BLOOD-BORNE PATHOGEN LIQUID BARRIER PROTECTION REQUIREMENTS OF NFPA 1950 (1951) , 2020 . [insert edition year] EDITION .

6.1.9.1

Where the technical rescue garments meet the optional requirements for blood-borne pathogen liquid barrier protective garments and are composed of separable layers, at least the following statement and information shall also be printed on the product label as specified in 6.1.7 and placed on the outer shell:

FOR COMPLIANCE WITH THE BLOOD-BORNE PATHOGEN LIQUID BARRIER PROTECTION OPTIONAL REQUIREMENTS OF NFPA 1950 (1951) , [insert edition year] EDITION , THE FOLLOWING PROTECTIVE ITEMS MUST BE WORN IN CONJUNCTION WITH THIS GARMENT:

{ [Insert list of separable layers here] } .

6.1.7

The statement specified in 6.1.6.1 for the specific element being certified shall be printed legibly on the product label. The appropriate term for the element (e.g., garment, helmet, glove, footwear, goggles) shall be inserted in the compliance statement text where indicated. All letters shall be at least 2.5 mm ($\frac{3}{32}$ in.) in height.

6.1.7.4

Where technical rescue garments contain electrical circuitry, the following information shall also be printed on the product label as specified in 6.1.6 immediately following the statement in 6.1.6.1 :

6.1.7.4.1

Where the electrical circuitry consists of nonincendive equipment and systems, the following compliance statement shall be used:

~~THIS TECHNICAL RESCUE PROTECTIVE ENSEMBLE [insert appropriate element term here] ELEMENT CONTAINING ELECTRICAL CIRCUITRY MEETS THE REQUIREMENTS OF ANSI/UL 121201, 2017, FOR CLASS I & II, DIVISION 2, GROUPS A, B, C, D, F, G AND CLASS III, [insert temperature class].~~

6.1.7.4.2

Where the electrical circuitry consists of intrinsically safe apparatus and systems, the following compliance statement shall be used:

~~THIS TECHNICAL RESCUE PROTECTIVE ENSEMBLE [insert appropriate element term here] ELEMENT CONTAINING ELECTRICAL CIRCUITRY MEETS THE REQUIREMENTS OF ANSI/UL 121201, 2017, FOR CLASS I & II, DIVISION 2, GROUPS A, B, C, D, F, G AND CLASS III, [insert temperature class].~~

6.1.10

The following information shall also be printed legibly on the product label, and all letters shall be at least 1.6 mm (1/16 in.) high:

- (1) Manufacturer's name, identification, or designation
- (2) Manufacturer's address
- (3) Country of manufacture
- (4) Manufacturer's element identification number, lot number, or serial number
- (5) Month and year of manufacture (not coded)
- (6) Model or style name, number, or design
- (7) Size or size range, where applicable
- (8)* Principal material(s) of construction.

~~For gloves, at least the outer layer, barrier layer, and thermal lining layer, where applicable, shall be listed. Generic names of materials shall be permitted to be used. If used, the type of leather shall be listed. Additional materials that are used throughout the significant portion of the glove's construction shall also be listed on the label.~~

~~For footwear, at least the outer layer, barrier layer, and thermal lining layer, where applicable, shall be listed. Generic names of materials shall be permitted to be used. Additional materials that are used throughout the majority of the boot shall also be listed on the boot label.~~

~~For garments, at least the identification of the fiber or material type of the outer shell and barrier layer, where applicable, shall be listed.~~

~~For helmets, at least the general terminology for the shell material shall be used.~~

- (9) Cleaning precautions, if applicable

6.1.10.1

Principal materials shall include the individual layers or components as identified for the respective element as follows:

- (1) For garments, gloves, and footwear, at least the outer shell, liquid barrier, and lining, as applicable
- (2) For helmets, at least the shell
- (3) For goggles, at least the lens

6.1.10.1.1

Generic names of materials or trade names of materials shall be permitted to be used.

6.1.10.1.2

The identification of textile-based principal material shall indicate the fiber composition of the fabric. Where available, trade names of materials shall be used.

6.1.10.1.3

For gloves where leather is a principal material, the type of leather shall be listed.

6.1.11

For garments only, where the outer shell and liquid barrier layer are separable, each separable layer shall also have a label containing the information required in 6.1.10(4) through 6.1.10(8).

6.1.12

Where goggles have detachable labels or tags attached to the goggles or package labels in place of a product label as permitted in 6.1.1.1, the following shall be present directly on the goggle lens and shall be permanent, and placed so that they do not interfere with the vision of the wearer:

- (1) The manufacturer's identifying mark or symbol
- (2) The certification organization's label, symbol, or identifying mark
- (3) The statement "NFPA 1950 (1951), [insert edition year] Ed." in letters at least 2 mm (1/16 in.) high.

6.1.13

Where technical rescue garments contain electrical circuitry, the following additional compliance statement shall also be printed on the product label as specified in 6.1.8 immediately following, in proximity to, or adjacent to the compliance statement in 6.1.8.

6.1.13.1

Where the electrical circuitry consists of nonincendive equipment and systems, the following compliance statement shall be used:

THIS TECHNICAL RESCUE PROTECTIVE [insert appropriate element term here] CONTAINS ELECTRICAL CIRCUITRY MEETING THE REQUIREMENTS OF UL 121201, 2017, FOR CLASS I & II, DIVISION 2, GROUPS C, D, F, G; AND CLASS III, [insert temperature class].

6.1.13.2

Where the electrical circuitry consists of intrinsically safe apparatus and systems, the following compliance statement shall be used:

THIS TECHNICAL RESCUE PROTECTIVE [insert appropriate element term here] CONTAINS ELECTRICAL CIRCUITRY MEETING THE REQUIREMENTS OF UL 913 SIXTH EDITION, FOR CLASS I & II, DIVISION 2, GROUPS C, D, E, F, G; AND CLASS III, [insert temperature class].

6.1.10 Supplementary Product Labels:

6.1.10.4

~~Supplementary product labels shall also meet the requirements of 6.1.4 and 6.1.5 :~~

~~6.1.11 Specific Requirements for Technical Rescue Incidents Protective Goggles:~~**~~6.1.11.1~~**

~~For goggles only, the product label shall be permitted to be placed on the package.~~

~~6.1.11.2~~

~~The package containing the smallest number of goggle elements from which the user withdraws product for use shall have a package product label.~~

~~6.1.11.3~~

~~The package product label shall be permanently and conspicuously located on the outside of the package or printed on the package.~~

~~6.1.11.4~~

~~The label shall not be removed, obscured, or otherwise mutilated by the opening of the package when the package is opened as intended.~~

~~6.1.11.5~~

~~Where goggles have a package label, the certification organization's label, symbol, or identifying mark and at least the following statement shall be legibly printed as the product label on each pair of goggles. All letters and numbers shall be at least 3 mm ($\frac{3}{16}$ in.) high:~~

~~-MEETS NFPA 1951, 2020 EDITION~~

Submitter Information Verification

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Committee Statement

Committee Statement: The Correlating Committee accepts the changes proposed by the Technical Committee in Second Revision 7 (now Committee Comment 7) but revises the prescribed label text in 6.1.8, 6.1.9, and 6.1.12 to use a placeholder instead of the specific edition year. All references to the edition year of the standard are removed from the text to eliminate potential conflicts when the edition year changes by the time of issuance.

[Second Revision No. 7-NFPA 1950-2024 \[Section No. 6.1\]](#)



Second Correlating Revision No. 17-NFPA 1950-2024 [Section No. 11.1]

11.1 Product Label Requirements for ~~Emergency Medical Protective Clothing Items~~.

11.1.1 ~~General Product and Package Label Requirements:~~

Each element of the protective ensemble shall have a product label or labels located inside each element when the element is assembled with all layers and components in place.

11.1.1.1

For examination gloves, cleaning/utility gloves, facemasks, eye and face protection devices, footwear covers, and powered air-purifying respirators, the product labels shall be permitted to be package labels printed on or attached to the package containing the smallest number of products from which the user withdraws the product for use.

~~11.1.1.3~~

~~All letters and numbers on product labels and product package labels shall meet the following requirements:~~

~~The compliance statement in 11.1.2.2 ; 11.1.3.2 ; 11.1.4.2 ; 11.1.4.5 ; 11.1.5.2 ; 11.1.5.5 ; 11.1.6.2 ; 11.1.7.2 ; 11.1.7.5 ; 11.1.8.2 ; 11.1.8.5 ; 11.1.9.2 ; 11.1.9.5 ; 11.1.10.2 ; 11.1.10.5 ; 11.1.11.2 ; 11.1.12.2 ; 11.1.13.2 ; 11.1.14.2 ; 11.1.14.5 ; 11.1.15.2 ; and 11.1.16.2 shall be at least 2.5 mm ($\frac{3}{32}$ in.) high.~~

~~The certification organization's symbol shall be at least 6 mm ($\frac{1}{4}$ in.) high.~~

~~The certification organization's name shall be at least 2.5 mm ($\frac{3}{32}$ in.) high.~~

~~All other required labeling information shall be at least 1.6 mm ($\frac{1}{16}$ in.) high.~~

11.1.1.2

Where package labels are ~~required~~ used, the package ~~product labels~~ shall be ~~permanently and conspicuously~~ located on the outside of the package or printed on the package and shall not be removed, obscured, or otherwise mutilated by the opening of the package when the package is opened as intended.

11.1.2

Configuration of the product label and attachment of the product label shall not interfere with the legibility of any printed portion of the product label.

11.1.3

~~Where applicable, multiple~~ Multiple label pieces shall be permitted ~~in order~~ to carry all statements and information required to be on the product label; however, all label pieces ~~comprising the entire~~ that make up the product label shall be located adjacent to each other.

11.1.4

The certification organization's label, symbol, or identifying mark shall be attached to the product label or shall be part of the product label. All letters shall be at least 2.5 mm ($\frac{3}{32}$ in.) high. The label, symbol, or identifying mark shall be at least 6 mm ($\frac{1}{4}$ in.) in height.

~~11.1.5~~ Single-Use Emergency Medical Protective Garment Product Label Requirements:

~~11.1.5.1~~

~~Each garment shall have a product label or labels permanently and conspicuously located inside each garment when the garment is properly assembled with all layers and components in place.~~

41.1.5.2

The product label shall have the certification organization's label, symbol, or identifying mark and at least the following statement legibly printed on the product label:

~~THIS GARMENT IS FOR SINGLE USE ONLY!~~

~~THIS GARMENT MEETS THE SINGLE-USE EMERGENCY MEDICAL GARMENT REQUIREMENTS OF NFPA 1999, STANDARD ON PROTECTIVE CLOTHING AND ENSEMBLES FOR EMERGENCY MEDICAL OPERATIONS , 2018 EDITION.~~

~~DO NOT REMOVE THIS LABEL!~~

41.1.5.3

The following information shall also be printed legibly on the product label:

Manufacturer's name, identification, or designation

Manufacturer's address

Country of manufacture

Garment model and style

Trace number

Principal materials of construction. At least the identification of the fiber or material type of the garment layer(s) shall be listed. Generic names of materials shall be permitted to be used

Month and year of manufacture, not coded

Size

41.1.7 Multiple-Use Emergency Medical Protective Garment Product Label Requirements.**41.1.7.1**

Each garment shall have a product label or labels permanently and conspicuously located inside each garment when the garment is properly assembled with all layers and components in place.

41.1.7.2

The product label shall have the certification organization's label, symbol, or identifying mark and at least the following statement legibly printed on the product label:

~~THIS GARMENT MEETS THE MULTIPLE-USE EMERGENCY MEDICAL GARMENT REQUIREMENTS OF NFPA 1999, STANDARD ON PROTECTIVE CLOTHING AND ENSEMBLES FOR EMERGENCY MEDICAL OPERATIONS ;~~

~~2018 EDITION.~~

~~DO NOT REMOVE THIS LABEL!~~

41.1.7.3

The following information shall also be printed legibly on the product label, and lettering shall be at least 1.6 mm (0.06 in.) high:

Manufacturer's name, identification, or designation

Manufacturer's address

Country of manufacture

Garment model or style

Trace number

Principal materials of construction. At least the identification of the fiber or material type of the garment layer(s) shall be listed. Generic names of materials shall be permitted to be used.

Cleaning precautions

Month and year of manufacture, not coded

Size

41.1.7.4

Where visibility materials are used on garments and the garment meets the requirements of ANSI/ISEA 107, *American National Standard for High-Visibility Safety Apparel*, the product label shall also meet the marking information required by ANSI/ISEA 107.

41.1.7.5

Where visibility materials are used on garments and are not intended to meet the requirements in ANSI/ISEA 107, *American National Standard for High-Visibility Safety Apparel*, the product label shall include the following warning:

**~~WEARING OF THIS GARMENT ALONG ROADSIDES OR OTHER AREAS WITH
VEHICULAR TRAFFIC REQUIRES ADDITIONAL HIGH-VISIBILITY SAFETY APPAREL,
COMPLIANT WITH AT LEAST THE CLASS 2~~**

~~REQUIREMENTS OF ANSI/ISEA 107.~~

11.1.5

All worded portions of the required product and package labels shall be at least in English.

11.1.6

Symbols and other pictorial graphic representations shall be permitted to be used to supplement worded statements on the product label(s).

11.1.7*

Nonvisual/machine-readable tags providing a means for electronic dissemination or tracking of information shall be permitted in addition to the labels required in Section 11.1.

11.1.7.1

Nonvisual/machine-readable tags shall be permitted to include all or a portion of the information required in Section 11.1.

11.1.7.2

Nonvisual/machine-readable tags shall meet the applicable requirements in Chapter 44 13.

~~41.1.10 Single-Use Emergency Medical Cleaning/Utility Glove Product Label Requirements.~~

~~41.1.10.1~~

~~The package containing the smallest number of glove items from which the user withdraws the product for use shall be permitted to have a package product label in place of the package label.~~

41.1.10.2

The certification organization's label, symbol, or identifying mark and at least the following statement shall be legibly printed on the package product label:

~~THIS GLOVE IS FOR SINGLE USE ONLY!~~

~~THIS GLOVE MEETS THE SINGLE-USE EMERGENCY MEDICAL CLEANING/UTILITY GLOVE REQUIREMENTS OF NFPA 1999, STANDARD ON PROTECTIVE CLOTHING AND ENSEMBLES FOR EMERGENCY MEDICAL OPERATIONS ;~~

~~2018 EDITION.~~

~~DO NOT REMOVE THIS LABEL!~~

41.1.10.3

The following information shall also be printed legibly on the package product label:

Manufacturer's name, identification, or designation

Manufacturer's address

Country of manufacture

Glove model and style

Trace number

Principal materials of construction. Generic names of materials shall be permitted to be used.

Month and year of manufacture, not coded

Size

41.1.10.4

In addition to the required package product label, each cleaning/utility glove shall be permitted to have a product label on the outside of the glove.

41.1.10.5

Where each cleaning/utility glove has a product label, the certification organization's label, symbol, or identifying mark and at least the following statement shall be legibly printed as the product label on each glove:

~~MEETS NFPA 1999, 2018 ED.~~

41.1.9 Multiple-Use Emergency Medical Work Glove Product Label Requirements.**41.1.9.1**

Each work glove shall have a product label(s) permanently and conspicuously attached inside each glove.

41.1.9.2

The certification organization's label, symbol, or identifying mark and at least the following statement shall be legibly printed on the product label:

~~THIS GLOVE MEETS THE MULTIPLE-USE EMERGENCY MEDICAL WORK GLOVE REQUIREMENTS OF NFPA 1999, STANDARD ON PROTECTIVE CLOTHING AND ENSEMBLES FOR EMERGENCY MEDICAL OPERATIONS ; 2018 EDITION.~~

~~DO NOT REMOVE THIS LABEL!~~

41.1.9.3

The following information shall also be printed legibly on the product label:

~~Manufacturer's name, identification, or designation~~

~~Manufacturer's address~~

~~Country of manufacture~~

~~Glove model and style~~

~~Trace number~~

~~Principal materials of construction, at least the outer layer and barrier layer where applicable. Generic names of materials shall be permitted to be used. If used, the type of leather shall be listed. Additional materials that are used throughout the significant portion of the glove's construction shall also be listed on the label.~~

~~Cleaning instructions~~

~~Month and year of manufacture, not coded~~

~~Size~~

41.1.10 Single-Use Emergency Medical Facemask Product Label Requirements:

41.1.10.1

~~The package containing the smallest number of facemask items from which the user withdraws the product for use shall have a package product label.~~

41.1.10.2

~~The certification organization's label, symbol, or identifying mark and at least the following statement shall be legibly printed on the package product label:~~

~~**THIS FACEMASK IS FOR SINGLE USE ONLY!**~~

~~**THIS MASK MEETS THE SINGLE-USE EMERGENCY MEDICAL FACEMASK REQUIREMENTS OF NFPA 1999, *STANDARD ON PROTECTIVE CLOTHING AND ENSEMBLES FOR EMERGENCY MEDICAL OPERATIONS*, 2018 EDITION.**~~

~~**DO NOT REMOVE THIS LABEL!**~~

41.1.10.3

~~The following information shall also be printed legibly on the package product label:~~

~~Manufacturer's name, identification, or designation~~

~~Manufacturer's address~~

~~Country of manufacture~~

~~Facemask model and style~~

~~Trace number~~

~~Month and year of manufacture, not coded~~

~~Size, where applicable~~

41.1.10.4

~~In addition to the required package product label, each mask shall be permitted to have a product label in an area of the facemask that does not affect its function.~~

41.1.10.5

~~Where each facemask has a product label, the certification organization's label, symbol, or identifying mark and at least the following statement shall be legibly printed as the product label on each facemask:~~

~~**-MEETS NFPA 1999, 2018 ED-**~~

41.1.10.6

Where the medical facemask is not certified by the National Institute for Occupational Safety and Health (NIOSH) as a respirator to 42 CFR 84, "Approval of Respiratory Protective Devices," the package product label shall include the following additional warning:

~~THIS FACEMASK IS NOT A RESPIRATOR AND WILL NOT PROVIDE RESPIRATORY PROTECTION AGAINST AIRBORNE BIOLOGICAL HAZARDS.~~

41.1.11 Single-Use Emergency Medical Eye and Face Protection Device Product Label Requirements:

41.1.11.1

The package containing the smallest number of eye and face protection device items from which the user withdraws the product for use shall have a package product label:

41.1.11.2

The certification organization's label, symbol, or identifying mark and at least the following statement shall be legibly printed on the package product label:

~~THIS [insert name of item] IS FOR SINGLE USE ONLY!~~

~~THIS [insert name of item] MEETS THE SINGLE-USE EMERGENCY EYE AND FACE PROTECTION DEVICE REQUIREMENTS OF NFPA 1999, STANDARD ON PROTECTIVE CLOTHING AND ENSEMBLES FOR EMERGENCY~~

~~MEDICAL OPERATIONS , 2018 EDITION.~~

~~DO NOT REMOVE THIS LABEL!~~

41.1.11.3

The following information shall also be printed legibly on the package product label:

Manufacturer's name, identification, or designation

Manufacturer's address

Country of manufacture

Eye and face protection device model or style

Trace number

Principal materials of construction. Generic names of materials shall be permitted to be used:

Month and year of manufacture, not coded

Size, where applicable

41.1.11.4

In addition to the required package product label, each eye and face protection device shall be permitted to have a product label in a location of the eye and face protection device that does not interfere with the wearer's vision or device's function:

41.1.11.5

Where each eye and face protection device has a product label, the certification organization's label, symbol, or identifying mark and at least the following statement shall be legibly printed as the product label on each eye and face protection device:

~~MEETS NFPA 1999, 2018 ED.~~

41.1.12 Multiple-Use Emergency Medical Eye and Face Protection Devices Product Label Requirements:

41.1.12.1

The package containing the smallest number of eye and face protection device items from which the user withdraws the product for use shall have a package product label:

41.1.12.2

The certification organization's label, symbol, or identifying mark and at least the following statement shall be printed on the package product label:

~~THIS DEVICE MEETS THE MULTIPLE-USE EMERGENCY MEDICAL EYE AND FACE PROTECTION REQUIREMENTS OF NFPA 1999, STANDARD ON PROTECTIVE CLOTHING AND ENSEMBLES FOR EMERGENCY MEDICAL OPERATIONS ;~~

~~2018 EDITION.~~

~~DO NOT REMOVE THIS LABEL!~~

41.1.12.3

The following information also shall be printed legibly on the package product label:

Manufacturer's name, identification, or designation

Manufacturer's address

Country of manufacture

Eye and face protection device model or style

Trace number

Principal materials of construction. Generic names of materials shall be permitted to be used.

Cleaning precautions

Month and year of manufacture, not coded

Size

41.1.12.4

Each face protection device shall have a product label, in addition to the required package product label, placed in a conspicuous location on the device that shall not interfere with the wearer's vision.

41.1.12.5

The certification organization's label, symbol, or identifying mark and at least the following statement shall be legibly printed on the product label of each multiple-use face protection device:

~~MEETS NFPA 1999, 2018 ED.~~

11.1.8

The following statement shall be printed on the product label, and all letters shall be at least 2.5 mm ($\frac{3}{32}$ in.) high:

THIS EMERGENCY MEDICAL PROTECTIVE [*insert appropriate element term*] MEETS THE REQUIREMENTS OF NFPA 1950 (1999), [*insert edition year*] EDITION.

DO NOT REMOVE THIS LABEL!

11.1.8.1

The appropriate element term for the statement in 11.1.8 shall consist of one of the following:

- (1) SINGLE-USE GARMENT
- (2) MULTIPLE-USE GARMENT
- (3) SINGLE-USE EXAMINATION GLOVE
- (4) SINGLE-USE CLEANING/UTILITY GLOVE
- (5) MULTIPLE-USE WORK GLOVE
- (6) SINGLE-USE FACEMASK
- (7) SINGLE-USE EYE AND FACE PROTECTION DEVICE
- (8) MULTIPLE-USE EYE AND FACE PROTECTION DEVICE
- (9) SINGLE-USE FOOTWEAR COVER
- (10) MULTIPLE-USE FOOTWEAR
- (11) MULTIPLE-USE MEDICAL CARE FACILITY FOOTWEAR
- (12) MULTIPLE-USE HELMET
- (13) MULTIPLE-USE POWERED AIR-PURIFYING RESPIRATOR
- (14) SINGLE-USE ENSEMBLE
- (15) MULTIPLE-USE ENSEMBLE

11.1.8.2

For technical rescue helmets and emergency medical helmets meeting the requirements of NFPA 1951 and NFPA 1999, the statement specified in 6.1.8.2 shall be permitted to be used in place of the statement specified in 11.1.8.

11.1.9

The warning or compliance statements in 11.1.9.1 through 11.1.9.5 shall also be printed on the product label as specified in 11.1.8 immediately following, in proximity to, or adjacent to the statement specified in 11.1.8.

11.1.9.1

For single-use ensemble elements, the following shall be printed on the product label:

THIS [*insert appropriate element term*] IS FOR SINGLE USE ONLY!

11.1.9.1.1

The appropriate element term for the statement in 11.1.9.1 shall consist of one of the following:

- (1) GARMENT
- (2) GLOVE
- (3) FACEMASK
- (4) EYE AND FACE PROTECTION DEVICE
- (5) FOOTWEAR COVER
- (6) ENSEMBLE

11.1.9.2

For multiple-use garments or multiple-use ensemble garment elements, where visibility materials are used on the garment and the garment is not intended to meet the requirements in ANSI/ISEA 107, *American National Standard for High-Visibility Safety Apparel*, the following shall be printed on the product label:

WEARING OF THIS GARMENT ALONG ROADSIDES OR OTHER AREAS WITH VEHICULAR TRAFFIC REQUIRES ADDITIONAL HIGH-VISIBILITY SAFETY APPAREL, COMPLIANT WITH AT LEAST THE CLASS 2 REQUIREMENTS OF ANSI/ISEA 107.

11.1.9.3

For single-use facemasks, where the medical facemask is not certified by National Institute for Occupational Safety and Health (NIOSH) as a respirator to 42 CFR 84, *Approval of Respiratory Protective Devices*, the following shall be printed on the product label:

THIS FACEMASK IS NOT A RESPIRATOR AND WILL NOT PROVIDE RESPIRATORY PROTECTION AGAINST AIRBORNE BIOLOGICAL HAZARDS.

11.1.9.4

For multiple-use medical care facility footwear, the following shall be printed on the product label:

THIS FOOTWEAR HAS NOT BEEN REQUIRED TO PROVIDE RESISTANCE TO TOE IMPACT AND COMPRESSION OR SOLE PUNCTURE!

11.1.9.5

For single-use and multiple-use ensembles, the following shall be printed on the product label:

TO PROVIDE FULL BODY PROTECTION, THE FOLLOWING ADDITIONAL ITEMS MUST BE WORN AS PART OF THIS ENSEMBLE.

11.1.10

At least the following information shall also be printed on the product label, and all letters shall be at least 1.6 mm ($\frac{1}{16}$ in.) high:

- (1) Manufacturer's name, identification, or designation
- (2) Manufacturer's address
- (3) Country of manufacture
- (4) Manufacturer's element identification number, lot number, or serial number
- (5) Month and year of manufacture (not coded)
- (6) Model or style name, number, or design
- (7) Size or size range, where applicable
- (8) Principal material(s) of construction
- (9) Cleaning precautions for multiple-use elements

11.1.10.1

Principal materials shall include the individual layers or components as identified for the respective element as follows:

- (1) For garments, work gloves, and footwear, at least the outer shell, barrier, and lining, as applicable
- (2) For examination gloves, cleaning/utility gloves, and footwear covers, the principal material
- (3) For eye and face protection devices, at least the lens
- (4) For single-use facemasks, see 11.1.10.1.4 .
- (5) For helmets, at least the shell
- (6) For respirators, the principal materials

11.1.10.1.1

Generic names of materials or trade names of materials shall be permitted to be used.

11.1.10.1.2

The identification of textile-based principal material shall indicate the fiber composition of the fabric. Where available, trade names of materials shall be used.

11.1.10.1.3

For gloves where leather is a principal material, the type of leather shall be listed.

11.1.10.1.4

For single-use facemasks, materials of construction shall be permitted to be omitted.

11.1.11

For multiple-use garments or multiple-use ensemble garment elements, where visibility materials are used on the garment and the garment meets the requirements of ANSI/ISEA 107, *American National Standard for High-Visibility Safety Apparel*, the product label shall also meet the marking information required by ANSI/ISEA 107.

11.1.12

Where elements have package labels in place of a product label as permitted in 11.1.1.1 , an additional product label shall be required or permitted as specified in this section. Where used, this product label shall meet the requirements specified in this section.

11.1.12.1

For multiple-use facemasks and powered air-purifying respirators, each element shall also have a product label in an area of the element that does not interfere with the wearer's vision.

11.1.12.2

For single-use examination gloves, cleaning/utility gloves, facemasks, eye and face protection devices, and footwear covers, each element shall be permitted to also have a product label in an area of the element that does not affect its function.

11.1.12.3

The product label shall include at least the following:

- (1) The certification organization's label, symbol, or identifying mark
- (2) The statement "NFPA 1950 (1999), [*insert edition year*] Ed." in letters at least 2 mm ($\frac{1}{16}$ in.) high

11.1.13

For examination or cleaning/utility gloves that have been tested for opioid permeation resistance and meet the criteria provided in 13.2.1.8 , then the following additional statement shall be added after the product compliance statement in 11.1.8 :

"PROVIDES OPTIONAL OPIOID PERMEATION PROTECTION"

~~11.1.14 Single-Use Emergency Medical Footwear Cover Product Label Requirements:~~

~~11.1.14.1~~

~~The package containing the smallest number of footwear cover items from which the user withdraws the product for use shall have a package product label:~~

~~11.1.14.2~~

~~The certification organization's label, symbol, or identifying mark and at least the following statement shall be legibly printed on the package product label:~~

~~**THIS FOOTWEAR COVER IS FOR SINGLE USE ONLY!**~~

~~**THIS FOOTWEAR COVER MEETS THE SINGLE-USE EMERGENCY MEDICAL FOOTWEAR COVER REQUIREMENTS OF NFPA 1999, STANDARD ON PROTECTIVE**~~

~~**CLOTHING AND ENSEMBLES FOR EMERGENCY MEDICAL OPERATIONS , 2018 EDITION:**~~

~~**DO NOT REMOVE THIS LABEL!**~~

~~11.1.14.3~~

~~The following information shall also be printed legibly on the package product label:~~

~~Manufacturer's name, identification, or designation~~

~~Manufacturer's address~~

~~Country of manufacture~~

~~Footwear cover model or style~~

~~Trace number~~

~~Principal materials of construction. Generic names of materials shall be permitted to be used:~~

~~Month and year of manufacture, not coded~~

~~Size, where applicable~~

~~11.1.14.4~~

~~In addition to the required package product label, each footwear cover shall be permitted to have a product label in area of the footwear cover that does not affect the comfort of the wearer:~~

~~11.1.14.5~~

~~Where each footwear cover has a product label, the certification organization's label, symbol, or identifying mark and at least the following statement shall be legibly printed as the product label on each footwear cover:~~

~~**MEETS NFPA 1999, 2018 ED:**~~

~~11.1.15 Multiple-Use Emergency Medical Footwear Product Label Requirements:~~

~~11.1.15.1~~

~~Each footwear item shall have a product label or labels permanently and conspicuously attached inside each footwear item when the footwear is properly donned:~~

41.1.15.2

The certification organization's label, symbol, or identifying mark and at least the following statement shall be legibly printed on the product label:

~~THIS FOOTWEAR MEETS THE MULTIPLE-USE EMERGENCY MEDICAL FOOTWEAR REQUIREMENTS OF NFPA 1999, STANDARD ON PROTECTIVE CLOTHING AND ENSEMBLES FOR EMERGENCY MEDICAL OPERATIONS ;~~

~~2018 EDITION:~~

~~DO NOT REMOVE THIS LABEL!~~

41.1.15.3

The following information shall also be printed legibly on the product label:

Manufacturer's name, identification, or designation

Manufacturer's address

Country of manufacture

Footwear model or style

Trace number

Principal materials of construction. At least the outer layer and the barrier layer, where applicable, shall be listed. Generic names shall be permitted to be used. Additional materials that are used throughout the majority of the boot shall also be listed on the boot label.

Cleaning precautions

Month and year of manufacture, not coded

Size

41.1.16 Multiple-Use Medical Care Facility Footwear Product Label Requirements:**41.1.16.1**

Each footwear item shall have a product label or labels permanently and conspicuously attached inside each footwear item when the footwear is properly donned.

41.1.16.2

The certification organization's label, symbol, or identifying mark and at least the following statement shall be legibly printed on the product label:

~~THIS FOOTWEAR MEETS THE MULTIPLE-USE MEDICAL CARE FACILITY FOOTWEAR REQUIREMENTS OF NFPA 1999, STANDARD ON PROTECTIVE CLOTHING AND ENSEMBLES FOR EMERGENCY MEDICAL OPERATIONS ;~~

~~2018 EDITION:~~

~~THIS FOOTWEAR HAS NOT BEEN REQUIRED TO PROVIDE RESISTANCE TO TOE IMPACT AND~~

~~COMPRESSION OR SOLE PUNCTURE!~~

~~DO NOT REMOVE THIS LABEL!~~

41.1.16.3

The following information shall also be printed legibly on the product label:

~~Manufacturer's name, identification, or designation~~

~~Manufacturer's address~~

~~Country of manufacture~~

~~Footwear model or style~~

~~Trace number~~

~~Principal materials. At least the outer layer and the barrier layer, where applicable, shall be listed. Generic names shall be permitted to be used. Additional materials that are used throughout the majority of the boot shall also be listed on the boot label. of construction~~

~~Cleaning precautions~~

~~Month and year of manufacture, not coded~~

~~Size~~

41.1.17 Multiple-Use Emergency Medical Helmet Product Labeling Requirements:**41.1.17.1**

~~Each helmet shall have a product label or labels permanently and conspicuously attached. At least one product label shall be conspicuously located on or inside each helmet when the helmet is properly assembled with all components in place.~~

41.1.17.2

~~The certification organization's label, symbol, or identifying mark and at least the following statement shall be legibly printed on the product label:~~

~~**THIS HELMET MEETS THE EMERGENCY MEDICAL HELMET REQUIREMENTS OF NFPA 1999, STANDARD ON PROTECTIVE CLOTHING AND ENSEMBLES FOR EMERGENCY MEDICAL OPERATIONS , 2018 EDITION.**~~

~~**DO NOT REMOVE THIS LABEL!**~~

41.1.17.3

The following information shall also be printed legibly on the product label:

~~Manufacturer's name, identification, or designation~~

~~Manufacturer's address~~

~~Country of manufacture~~

~~Helmet model or style~~

~~Trace number~~

~~Helmet size or size range~~

~~Nominal weight of helmet~~

~~Month and year of manufacture, not coded~~

~~Cleaning precautions~~

41.1.18 Emergency Medical Powered Air-Purifying Respirator Product Label Requirements:**41.1.18.1**

~~The package containing the smallest number of powered air-purifying respirator items from which the user withdraws the product for use shall have a package product label.~~

41.1.18.2

The certification organization's label, symbol, or identifying mark and at least the following statement shall be printed on the package product label:

~~THIS RESPIRATOR MEETS THE MULTIPLE-USE EMERGENCY MEDICAL EYE AND FACE PROTECTION REQUIREMENTS OF NFPA 1999, STANDARD ON PROTECTIVE CLOTHING AND ENSEMBLES FOR EMERGENCY MEDICAL OPERATIONS , 2018 EDITION.~~

~~DO NOT REMOVE THIS LABEL!~~

41.1.18.3

The following information also shall be printed legibly on the package product label:

Manufacturer's name, identification, or designation

Manufacturer's address

Country of manufacture

Respirator model or style

Trace number

Principal materials of construction. Generic names shall be permitted to be used.

Cleaning precautions

Month and year of manufacture, not coded

Size

41.1.18.4

Each respirator shall have a product label, in addition to the required package product label, placed in a conspicuous location on the respirator that shall not interfere with the wearer's vision.

41.1.18.5

The certification organization's label, symbol, or identifying mark and at least the following statement shall be legibly printed on the product label of each respirator:

~~MEETS NFPA 1999, 2018 ED.~~

41.1.21 Single-Use Emergency Medical Ensemble Product Label Requirements.**41.1.21.1**

The garment portion of the ensemble shall have a product label or labels permanently and conspicuously located inside the garment when the ensemble is properly assembled with all layers and components in place.

41.1.21.2

The product label shall have the certification organization's label, symbol, or identifying mark and at least the following statement legibly printed on the product label:

~~THIS ENSEMBLE IS FOR SINGLE USE ONLY! THIS ENSEMBLE MEETS THE SINGLE-USE EMERGENCY MEDICAL ENSEMBLE REQUIREMENTS OF NFPA 1999, STANDARD ON PROTECTIVE CLOTHING AND ENSEMBLES FOR EMERGENCY MEDICAL OPERATIONS , 2018 EDITION.~~

~~DO NOT REMOVE THIS LABEL!~~

41.1.21.3

The following additional language shall be provided on the product label:

~~TO PROVIDE FULL BODY PROTECTION, THE FOLLOWING ADDITIONAL ITEMS MUST BE WORN AS PART OF THIS ENSEMBLE.~~

~~[list items including manufacturer name and model or style number]~~

11.1.22 Multiple-Use Emergency Medical Protective Ensemble Product Label Requirements.**11.1.22.1**

The garment portion of the ensemble shall have a product label or labels permanently and conspicuously located inside the garment when the garment is properly assembled with all layers and components in place.

11.1.22.2

The product label shall have the certification organization's label, symbol, or identifying mark and at least the following statement legibly printed on the product label:

~~THIS ENSEMBLE MEETS THE MULTIPLE-USE EMERGENCY MEDICAL ENSEMBLE REQUIREMENTS OF NFPA 1999, STANDARD ON PROTECTIVE CLOTHING AND ENSEMBLES FOR EMERGENCY MEDICAL~~

~~OPERATIONS , 2018 EDITION.~~

~~DO NOT REMOVE THIS LABEL!~~

11.1.22.3

The following additional language shall be provided on the product label:

~~TO PROVIDE FULL BODY PROTECTION, THE FOLLOWING ADDITIONAL ITEMS MUST BE WORN AS PART OF THIS ENSEMBLE.~~

~~[list items including manufacturer name and model or style number]~~

11.1.22.4

Where visibility materials are used on garments and the garment meets the requirements of ANSI/ISEA 107, *American National Standard for High-Visibility Safety Apparel* , the product label shall also meet the marking information required by ANSI/ISEA 107:

11.1.22.5

Where visibility materials are used on garments and are not intended to meet the requirements in ANSI/ISEA 107, *American National Standard for High-Visibility Safety Apparel* , the product label shall include the following warning:

~~WEARING OF THIS ENSEMBLE ALONG ROADSIDES OR OTHER AREAS WITH VEHICULAR TRAFFIC REQUIRES ADDITIONAL HIGH VISIBILITY SAFETY APPAREL, COMPLIANT WITH AT LEAST THE CLASS 2~~

~~REQUIREMENTS OF ANSI/ISEA 107.~~

11.1.14 Electrical Circuitry Labeling Requirements.**11.1.14.1**

Where emergency medical elements contain electrical circuitry, the following information shall also be printed on the product label as specified in the applicable subsection of Section 11.1 immediately following the compliance statement.

11.1.14.1.1*

Where the electrical circuitry consists of nonincendive equipment and systems, the following compliance statement shall be used:

**THIS EMERGENCY MEDICAL [insert appropriate element term here]
CONTAINING CONTAINS ELECTRICAL CIRCUITRY MEETS MEETING THE
REQUIREMENTS OF ANSI/ UL 121201, 2017, FOR CLASS I & II, DIVISION 2, GROUPS
A, B, C, D, F, G AND CLASS III, [insert temperature class].**

11.1.14.1.2*

Where the electrical circuitry consists of intrinsically safe apparatus and systems, the following compliance statement shall be used:

**THIS EMERGENCY MEDICAL ~~[insert appropriate element term here]~~
CONTAINING CONTAINS ELECTRICAL CIRCUITRY MEETS MEETING THE
REQUIREMENTS OF ANSI/UL 913, SIXTH EDITION, FOR CLASS I & II, DIVISION 1,
GROUPS C, D, E, F, G AND CLASS III, [insert temperature class].**

Submitter Information Verification

Committee: FAE-AAC

Submittal Date: Thu Aug 01 12:50:43 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee accepts the changes proposed by the Technical Committee in Second Revision 46 (now Committee Comment 46) but makes the following additional changes:

- (1) In 11.1.8 and 11.1.12.3 - All references to the edition year of the standard are removed from the text to eliminate potential conflicts when the edition year changes by the time of issuance.
- (2) In 11.1.12.3 - In the prescribed label text, the new document number (1950) is added and the old document number (1999) is placed in parentheses for consistency with other labeling requirements in this standard.
- (3) The format of prescribed label text is updated for consistency with other labeling requirements in this standard.

Committee Comment No. 46-NFPA 1950-2024 [Section No. 11.1]



Second Correlating Revision No. 22-NFPA 1950-2024 [Section No. 11.3.1.1]

11.3.1.1*

The technical data package shall contain all documentation required by this standard and the values obtained from the initial certification showing compliance with the requirements of Chapter 13 in the current edition of this standard using the reporting formats provided in Table 11.3.1.1(a) and Table 11.3.1.1(b). The technical data package information shall indicate "Pass" for those requirements where there is no quantitative value reported and "Not applicable" for specific requirements that do not apply to the vapor-protective ensemble.

Table 11.3.1.1(a) Format for Reporting Certification Test Data in Technical Data Package

<u>Ensemble or Element</u>	<u>Performance Requirement</u>	<u>Test Method</u>	<u>Requirement</u>	<u>Result</u>
<i>Single-Use Emergency Medical Garment</i>				
Garment	Liquidtight Integrity { Test One}	ASTM F1359/F1359M (Section 14.2)	No liquid penetration	
	Overall Ensemble Function	ASTM F1154, Modified (Section 14.40)	Complete tasks in ≤ 20 min with garment closure remaining engaged Test subject properly identifies 3 out of 4 numbers on NFPA 704 placard at each angle Visual acuity ≥ 20/35 Protective flap remains closed over closure system	
Garment material			No liquid penetration following exercises	
	Burst strength	ASTM D3787 (Section 14.5)	≥ 66 N (14.9 lbf)	
	Puncture propagation tear resistance	ASTM D2582 (Section 14.6)	≥ 12 N (2.7 lbf)	
	Flammability	ASTM D1230 (Section 14.35)	Flame spread ≥ 3.5 sec	
	Moisture vapor transmission rate	ASTM E96/E96M, Procedure B (Section 14.28)	≥ 650 g/m ² 24 hr	
	<u>or</u> <u>Evaporative resistance</u>	<u>or</u> <u>ASTM F1868 (Section 14.42)</u>	<u>or</u> <u>≤ 30 Pa m² /W</u>	
	<u>Biopenetration test one</u>	<u>ASTM F1671/F1671M (Section 14.3)</u>	<u>No penetration of Phi-X174 bacteriophage above the test interpretation threshold</u>	
Seams	Biopenetration { test one}	ASTM F1671/F1671M (Section 14.3)	No penetration of Phi-X174 bacteriophage <u>above the test interpretation threshold</u>	
	Seam breaking strength	ASTM D1683/D1683M (Section 14.8)	≥ 50 N (11.2 lbf)	
Visors	Burst strength	ASTM D3787 (Section 14.5)	≥ 66 N (14.9 lbf)	

<u>Ensemble or Element</u>	<u>Performance Requirement</u>	<u>Test Method</u>	<u>Requirement</u>	<u>Result</u>
	Puncture propagation tear resistance	ASTM D2582 (Section 14.6)	≥ 12 N (2.7 lbf)	
<i>Multiple-Use Emergency Medical Garment</i>				
Garment	Liquidtight integrity	ASTM F1359/F1359M (Section 14.2)	No liquid penetration after 8 min	
	Overall <u>ensemble function and integrity</u>	ASTM F1154, modified (Section 14.40)	Complete in ≤ 20 min with garment closure remaining engaged Test subject has visual acuity of 20/35 or better through visor and facepiece lens Protective flap remains closed over closure system Test subject properly identifies 3 out of 4 numbers on NFPA 704 placard at each angle No liquid penetration following exercises	
Garment material	Biopenetration (test one)	ASTM F1671/F1671M (Section 14.3)	No penetration of Phi-X174 bacteriophage <u>above the test interpretation threshold</u>	
	Tensile strength	ASTM D5034 (Section 14.4)	≥ 225.5 N (50 lbf)	
	Burst strength	ASTM D3787 (Section 14.5)	≥ 178 N (40 lbf)	
	Puncture propagation tear resistance	ASTM D2582 (Section 14.6)	≥ 25 N (5 ½ lbf)	
	Tear strength	ASTM D5587 (Section 14.7)	≥ 36 N (8 lbf)	
	Water absorption resistance	AATCC TM42, modified (Section 14.31)	≤ ~~30~~ <u>15</u> %	
	Flammability	ASTM D1230 (Section 14.35)	Flame spread ≥ 3.5 sec	
	Total heat loss	ASTM F1868 (Section 14.32)	≥ ~~450~~ <u>400</u> W/m ²	
	Evaporative resistance	(Section 14.42)	≤ 30 Pa m ² /W	
Garment sock	Tensile strength	ASTM D5034 (Section 14.4)	≥ 50 N (11.2 lbf)	
	Burst strength	ASTM D3787 (Section 14.5)	≥ 66 N (14.9 lbf)	
	Puncture propagation tear resistance	ASTM D2582 (Section 14.6)	≥ 12 N (2.7 lbf)	

<u>Ensemble or Element</u>	<u>Performance Requirement</u>	<u>Test Method</u>	<u>Requirement</u>	<u>Result</u>
Garment seams	Tear strength	ASTM D5587 (Section 14.7)	≥ 17 N (3.8 lbf)	
	Seam breaking strength	ASTM D1683/D1683M (Section 14.8)	≥ 50 N (11.2 lbf)	
	Biopenetration (test one)	ASTM F1671/F1671M (Section 14.3)	No penetration of Phi-X174 bacteriophage <u>above the test interpretation threshold</u>	
	Breaking strength	ASTM D1683/D1683M (Section 14.8)	≥ 222.5 N (50 lbf)	
Garment visors	Visor drop ball impact resistance	ANSI/ISEA Z87.1, modified (Section 14.41)	No puncture, cracks, holes, or fractures	
Garment labels	Label durability and legibility	(Section 14.33)	Remain in place and legible	
<u>Nonvisual/machine-readable tags</u>	<u>Label durability and legibility</u>	<u>(Section 14.33)</u>	<u>Remain functional and scannable</u>	
Garment metal parts	Corrosion resistance	ASTM B117 (Section 14.22)	No corrosion	
Garment fastener tape	Breaking strength	ASTM D5034 (Section 14.39)	≥ minimum breaking strength in Table 1 of A-A-55126B <u>C</u>	
	Shear strength	ASTM D5169 (Section 14.39)	≥ minimum shear strength in Table 1 of A-A-55126B <u>C</u>	
	Peel strength	ASTM D5170 (Section 14.39)	≥ minimum peel strength in Table 1 of A-A-55126B <u>C</u>	
Garment zippers	Crosswise ~~breaking strength~~ and holding strength	A-A-55634C	<u>Report According to zipper size and material outlined in A-A-55634C</u>	
<i>Single-Use Emergency Medical Examination Gloves</i>				
Gloves	Liquidtight integrity (test two)	ASTM D5151 (Section 14.9)	No more than one failing specimen	
	Biopenetration (test two)	ASTM F1671/F1671M (Section 14.10)	No penetration of the Phi-X174 bacteriophage <u>above the test interpretation threshold</u>	
	Dexterity	Crawford Smalls Parts Dexterity Test, screws technique (Section 14.14)	≤ 120% of baseline test measurements	
Glove materials	<u>Opioid permeation resistance test (optional)</u>	<u>ASTM F739, Modified (Section 14.43)</u>	<u>≤ 0.01 µg/cm² /min</u>	
	Ultimate tensile strength	ASTM D412a, Method A	≥ 14 MPa (2000 psi)	

<u>Ensemble or Element</u>	<u>Performance Requirement</u>	<u>Test Method</u>	<u>Requirement</u>	<u>Result</u>
	Ultimate elongation	(Section 14.11) ASTM D412a, Method A (Section 14.12)	≥ 500%	
	Puncture resistance { test one}	ASTM F1342/F1342M, Modified Method A (Section 14.13)	≥ 4.5 N (1 lbf)	
	Protein content	ASTM D5712 (Section 14.15)	≤ 50 µg/g	
<u>Single-Use Emergency Medical Cleaning/Utility Gloves</u>				
Gloves	Liquidtight integrity { test two}	ASTM D5151 (Section 14.9)	No leakage	
	Biopenetration { test two}	ASTM F1671/F1671M (Section 14.10)	No penetration of the Phi-X174 bacteriophage <u>above the test interpretation threshold</u>	
	Dexterity { test two}	ASTM F2010/F2010M, Modified (Section 14.26)	Average % of barehanded control ≤ 200%	
	Tactility <u>test</u>	ASTM (Section 14.30)	Permit pick-up of pins having a diameter of ≥5.0 mm (0.2 in.)	
	<u>Opioid permeation resistance test (optional)</u>	ASTM F739, Modified (Section 14.43)	≤ 0.01 µg/cm ² /min	
Glove materials	Chemical permeation resistance	ASTM F739, Modified (Section 14.24)	≤ 6.0 µg/cm ²	See separate table
	~~Tensile~~ <u>Ultimate tensile</u> strength	ASTM D412a, Method A (Section 14.11)	≥ 10.3 MPa (1500 psi)	
	Puncture resistance { test one}	ASTM F1342/F1342M, Modified Method A (Section 14.13)	≥ 9 N (2 lbf)	
	Cut resistance	ASTM F1790 (Section 14.18)	≥ 20 mm (0.8 in.)	
	Abrasion resistance { test two}	ASTM D3884 (Section 14.25)	No wear-through after 1000 cycles	
	~~Flammability~~	~~ASTM D1230 (Section 14.35)~~	~~Flame spread ≥ 3.5 sec~~	
<u>Multiple-Use Emergency Medical Work Gloves</u>				
Gloves	~~Liquidtight~~ <u>Overall liquidtight</u> integrity	(Section 14.29)	No water penetration	
	Dexterity { test two}	ASTM F2010/F2010M (Section 14.26)	Average % of barehanded control ≤ 200%	
	<u>Torque test</u>	ASTM F2961 (Section 14.27)	Barehanded control ≥65%	

<u>Ensemble or Element</u>	<u>Performance Requirement</u>	<u>Test Method</u>	<u>Requirement</u>	<u>Result</u>
	Tactility <u>test</u>	(Section 14.30)	Permit pick-up of pins having a diameter of ≤ 8.0 mm (0.3 in.)	
Glove materials	Biopenetration <u>test one</u>	ASTM F1671/F1671M (Section 14.3)	No penetration of Phi-X174 bacteriophage <u>above the test interpretation threshold</u>	
	Puncture resistance <u>test one</u>	ASTM F1342/F1342M (Section 14.13)	No puncture under an applied force of 9 N (2 lbf)	
	Cut resistance	ASTM F1790 (Section 14.18)	≥ 20 mm (0.8 in.)	
	Abrasion resistance	ASTM D3884 (Section 14.25)	No wear-through	
	Flammability	~~ASTM D1230 (Section 14.35)~~	~~Flame spread ≥ 3.5 sec~~	
Hardware	Corrosion resistance	ASTM B117 (Section 14.22)	No more than light surface-type corrosion or oxidation, ferrous metals show no corrosion of the base metal, and hardware items remain functional	
Labels	Label durability and legibility	(Section 14.33)	Be legible	
<i>Single-Use Emergency Medical Facemask</i>				
Facemask	High Level 3 barrier performance <u>class</u>	ASTM F2100	Meet Level 3 barrier in Table 1, Section 6 in ASTM F2100	
	<u>or</u>	<u>or</u>	<u>or</u>	
	Submicron particulate filtration efficiency	ASTM F3502	Leakage factor of 5 percent <u>or greater</u>	
	Liquidtight integrity (test three)	ASTM F1862/F1862M (Section 14.17)	~~No liquid penetration~~ <u>Provide a passing result</u>	
<i>Barrier Face Covering</i>				
Face covering	Submicron particulate filtration efficiency	ASTM F3502	80 percent <u>or greater</u>	
	Quantitative leakage assessment	ASTM F3502	Leakage ratio of 10 <u>or greater</u>	
	Liquidtight integrity test three (optional)	ASTM F1862/F1862M (Section 14.17)	<u>Provide a passing result</u>	
<i>Single-Use Emergency Medical Eye and Face Protection Device</i>				
Eye and face protection device	Biopenetration (test one)	ASTM F1671/F1671M (Section 14.3)	No penetration of Phi-X174 bacteriophage <u>above the test interpretation threshold</u>	

<u>Ensemble or Element</u>	<u>Performance Requirement</u>	<u>Test Method</u>	<u>Requirement</u>	<u>Result</u>
	Liquidtight integrity { test three}	ASTM F1862/F1862M (Section 14.17)	No liquid penetration	
	Visual acuity/fogging resistance	(Section 14.16)	≥ 20/35 visual acuity line	
Device <u>textile material</u>	Flammability	ASTM D1230 (Section 14.35)	Flame spread ≥ 3.5 sec	
<i>Multiple-Use Emergency Medical Eye and Face Protection Device</i>				
Eye and face protection device	Liquidtight integrity { test three}	ASTM F1862/F1862M (Section 14.17)	No liquid penetration	
Device hardware	Corrosion resistance	ASTM B117 (Section 14.22)	No more than light surface-type corrosion or oxidation, ferrous metals show no corrosion of the base metal, and hardware items remain functional	
<i>Single-Use Emergency Medical Footwear Cover</i>				
Upper materials	Biopenetration { test one}	ASTM F1671/F1671M (Section 14.3)	No penetration of Phi-X174 bacteriophage <u>above the test interpretation threshold</u>	
	Tensile strength	ASTM D5034 (Section 14.4)	≥ 50 N (11.2 lbf)	
	Burst strength	ASTM D3787 (Section 14.5)	≥ 66 N (14.9 lbf)	
	Flammability	ASTM D1230 (Section 14.35)	Flame spread ≥ 3.5 sec	
Upper material seams	Biopenetration { test one}	ASTM F1671/F1671M (Section 14.3)	No penetration of Phi-X174 bacteriophage <u>above the test interpretation threshold</u>	
	Breaking strength	ASTM D1683/D1683M (Section 14.8)	≥ 50 N (11.2 lbf)	
Wear surface materials	Biopenetration { test one}	ASTM F1671/F1671M (Section 14.3)	No penetration of Phi-X174 bacteriophage <u>above the test interpretation threshold</u>	
	Abrasion resistance	ASTM D3884 (Section 14.25)	No wear-through	
	Puncture resistance	ASTM F1342/F1342M (Section 14.13)	Puncture force > 8 N (1.8 lbf)	
	Slip resistance	ASTM F2913 (Section 14.20)	Coefficient of friction of ≥ 0.40	
<i>Multiple-Use Emergency Medical Footwear</i>				
Footwear	<u>Liquidtight Overall liquidtight integrity test four</u>	FIA Standard 1209 (Section 14.23)	No leakage and no separation of outer sole	

<u>Ensemble or Element</u>	<u>Performance Requirement</u>	<u>Test Method</u>	<u>Requirement</u>	<u>Result</u>
Upper materials	<u>Impact, compression and puncture resistance</u>	ASTM F2413	Performance as outlined in ASTM F2413	
	<u>Biopenetration test one</u>	ASTM F1671/F1671M (Section 14.3)	No penetration of Phi-X174 bacteriophage above the test interpretation threshold	
	Cut resistance	ASTM F1790 (Section 14.18)	≥ 20 mm (0.8 in.)	
	Puncture resistance	ASTM F1342/F1342M (Section 14.13)	No puncture under an applied force of 45 N (10 lbf)	
	Flammability	ASTM D1230 (Section 14.35)	Flame spread ≥ 3.5 sec	
Upper material seams	<u>Biopenetration test one</u>	ASTM F1671/F1671M (Section 14.3)	No penetration of Phi-X174 bacteriophage above the test interpretation threshold	
Outer sole	Abrasion resistance	ISO 4649 (Section 14.19)	Relative volume loss shall ≤ 250 mm ³	
	Slip resistance	ASTM F2913 (Section 14.20)	Coefficient of friction of ≥ 0.40	
Eyelets and stud hooks	Eyelet and stud post attachment	(Section 14.21)	Detachment strength ≥ 295 N (66 lbf)	
Hardware	Corrosion resistance	ASTM B117 (Section 14.22)	No more than light surface-type corrosion or oxidation, ferrous metals show no corrosion of the base metal, and hardware items remain functional	
Labels	Label durability and legibility	(Section 14.33)	Be legible	
<i>Multiple-Use Medical Care Facility Footwear</i>				
Footwear	Liquidtight integrity	FIA Standard 1209 (Section 14.23)	No leakage and no separation of outer sole	
Upper materials	<u>Biopenetration test one</u>	ASTM F1671/F1671M (Section 14.3)	No penetration of Phi-X174 bacteriophage above the test interpretation threshold	
	Cut resistance	ASTM F1790 (Section 14.18)	≥ 20 mm (0.8 in.)	
	Puncture resistance	ASTM F1342/F1342M (Section 14.13)	No puncture under an applied force of 45 N (10 lbf)	
Upper material seams	<u>Biopenetration test one</u>	ASTM F1671/F1671M (Section 14.3)	No penetration of Phi-X174 bacteriophage above the test interpretation threshold	

<u>Ensemble or Element</u>	<u>Performance Requirement</u>	<u>Test Method</u>	<u>Requirement</u>	<u>Result</u>
Outer soles	Abrasion resistance	ISO 4649 (Section 14.19)	Relative volume loss shall $\leq 250 \text{ mm}^3$	
	Slip resistance	ASTM F2913 (Section 14.20)	Coefficient of friction of ≥ 0.40	
Eyelets and stud hooks	Eyelet and stud post attachment	(Section 14.21)	Detachment strength $\geq 295 \text{ N}$ (66 lbf)	
Hardware	Corrosion resistance	ASTM B117 (Section 14.22)	No more than light surface-type corrosion or oxidation, ferrous metals show no corrosion of the base metal, and hardware items remain functional	
Labels	Label durability and legibility	(Section 14.33)	Be legible	
<i>Multiple-Use Emergency Medical Helmet</i>				
<u>Helmets</u>	<u>Heat and thermal shrinkage</u>	(Section 9.3)	<u>Shell distortion $\leq 30 \text{ mm}$ ($\frac{13}{16} \text{ in.}$) below the original position of the helmet. Hardware and retention system remain functional. No melting or ignition of nonvisual/machine readable tags.</u>	
<u>Helmets</u>	<u>Force transmission</u>	(Section 9.16)	<u>Average force transmitted $\leq 3785 \text{ N}$ (850 lbf). Individual force transmitted $\leq 4450 \text{ N}$ (1000 lbf).</u>	
<u>Helmets</u>	<u>Offset force transmission</u>	(Section 9.37)	<u>Average force transmitted $\leq 5 \text{ kN}$ (1124 lbf) when subjected to 25 J.</u>	
<u>Helmets</u>	<u>Offset force transmission</u>	(Section 9.17)	<u>No electrical or physical contact of striker and headform.</u>	
<u>Helmets</u>	<u>Electrical insulation</u>	(Section 9.18)	<u>Leakage current $\leq 1.2 \text{ mA}$.</u>	
Suspension systems	Suspension system retention	(Section 14.36 9.19)	Force required to separate any individual attachment point of the suspension assembly from the helmet shell and each adjusting mechanism of the suspension system assembly $\geq 22 \text{ N}$ (5 lbf). Adjusting mechanism functions properly.	
Chin straps	Retention system	(Section 14.37 9.20)	No breakage and stretch or slip $\leq 38 \text{ mm}$ ($\frac{1}{2} \text{ in.}$). All mechanisms function properly.	

<u>Ensemble or Element</u>	<u>Performance Requirement</u>	<u>Test Method</u>	<u>Requirement</u>	<u>Result</u>
Goggle/headlamp clips	Goggle and headlamp clip attachment	(Section 14.38)	Not release from the shell. Clips deflect ≤ 6 mm ($\frac{1}{4}$ in.) from their original position.	
Hardware	Corrosion resistance	ASTM B117 (Section 9.13 14.22)	No more than light surface-type corrosion or oxidation, ferrous metals show no corrosion of the base metal, and hardware items remain functional	
Helmet retroreflective markings	Retroreflection	(Section 14.34)	$R_a \geq 100$ cd/lux/m ² (100 cd/ft ²)	
Labels	Label durability and legibility	(Section 9.33)	Not be torn, remain in place, and legible to the unaided eye. Nonvisual/machine readable tags be scannable and readable.	
Helmets	Helmet roll off	(Section 9.40)	Retention system and helmet remain intact. Hemet not be removed from headform. Coronal plane of headform not exposed.	
<i>Emergency Medical Powered Air-Purifying Respirator</i>				
Hood materials	Performance requirements		Meet requirements in 13.1.1 with exception of 13.1.1.7 or 13.1.2 with exception of 13.1.2.9 (provide test data as indicated for single-use or multiple-use emergency medical garments above)	
<i>Single-Use Emergency Medical Protective Ensemble</i>				
Ensembles	Liquidtight integrity (test one)	ASTM F1359/F1359M (Section 14.2)	No liquid penetration	
	Overall ensemble function and integrity	ASTM F1154, Modified (Section 14.40)	Complete tasks in ≤ 20 min with garment closure remaining engaged Test subject properly identifies 3 out of 4 numbers on NFPA 704 placard at each angle Visual acuity $\geq 20/35$ Protective flap remains closed over closure system No liquid penetration following exercises	

<u>Ensemble or Element</u>	<u>Performance Requirement</u>	<u>Test Method</u>	<u>Requirement</u>	<u>Result</u>
Garments	Performance requirements		Meets requirements in 13.1.1 (provide test data as indicated for single-use emergency medical garments above)	
Examination gloves	Performance requirements		Meets requirements in 13.2.1 (provide test data as indicated for single-use emergency medical examination gloves above)	
Footwear	Performance requirements		Meets requirements in 13.4 for respective footwear (provide test as indicated for respective footwear above)	

Multiple-Use Emergency Medical Protective Ensemble

Ensembles	Liquidtight integrity (test one)	ASTM F1359/F1359M (Section 14.2)	No liquid penetration
	Overall ensemble function and integrity	ASTM F1164 (Section 14.40)	Complete tasks in ≤ 20 min with garment closure remaining engaged Test subject properly identifies 3 out of 4 numbers on NFPA 704 placard at each angle Visual acuity ≥ 20/35 Protective flap remains closed over closure system No liquid penetration following exercises

Table 11.3.1.1(b) Format for Reporting Certification Permeation Test Data in Technical Data Package

<u>Chemical</u>	<u>Cleaning Utility Glove Material</u>	<u>Result</u>
Glutaraldehyde, 40% w/w	≤ 6.0	
Isopropanol, 70% w/w	≤ 6.0	
Sodium hypochlorite, 5%	≤ 6.0	
Peracetic acid, ≤ 30%	≤ 6.0	

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
1950_SCR-22_Table11.3.1.1_a_.docx	For staff use	

Submitter Information Verification

Committee: FAE-AAC

Submittal Date: Tue Aug 06 17:41:10 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee accepts the changes proposed by the Technical Committee in Second Revision 112 (now Committee Comment 112) but makes the following additional change:

In the table row for Single-use Emergency Medical Garment : Garment Material : Evaporative resistance, a less-than-or-equal-to symbol is added to the Requirement (column 4) to read as " $\leq 30 \text{ Pa m}^2/\text{W}$ ". This correlates with the requirement in 13.1.1.6.1 for evaporative resistance.

[Second Revision No. 112-NFPA 1950-2024 \[Section No. 11.3.1.1\]](#)



Second Correlating Revision No. 4-NFPA 1950-2024 [Section No. 14.11.3.3]

14.11.3.3

Specimens shall be tested for ultimate tensile strength after conditioning as specified in ~~14.1.5~~ 14.1.6.

Submitter Information Verification

Committee: FAE-AAC

Submittal Date: Tue Jul 30 21:22:33 EDT 2024

Committee Statement

Committee Statement: This test method previously required specimens to be conditioned in accordance with the heat aging procedure (14.1.6). For the 2018 edition, TIA 18-8 inserted a new top-loading washing and drying procedure above this procedure, which caused the heat aging procedure to be renumbered. However, the cross-reference in 14.11.3.3 was not updated accordingly. This revision corrects that oversight.



Second Correlating Revision No. 5-NFPA 1950-2024 [Sections 14.12.3.2, 14.12.3.3]

14.12.3.2

Specimens shall be tested after conditioning as specified in ~~14.1.4~~ 14.1.5 .

14.12.3.3

Specimens shall be tested after conditioning as specified in ~~14.1.5~~ 14.1.6 .

Submitter Information Verification

Committee: FAE-AAC

Submittal Date: Tue Jul 30 21:38:20 EDT 2024

Committee Statement

Committee Statement: This test method previously required specimens to be conditioned in accordance with the isopropanol immersion procedure (14.1.5) and the heat aging procedure (14.1.6). For the 2018 edition, TIA 18-8 inserted a new top-loading washing and drying procedure above these procedures, which caused the isopropanol immersion and heat aging procedures to be renumbered. However, the cross-references in 14.12.3.2 and 14.12.3.3 were not updated accordingly. This revision corrects that oversight.

**Second Correlating Revision No. 6-NFPA 1950-2024 [Section No. 14.13.8.1]****14.13.8.1**

Specimens shall be representative of the glove body composite construction at the following glove areas as described in ~~9.1.8~~ 14.1.8 : A-P, B-P, D-P, E-P, F-P, G-P, H-P, and I-P. Where the specimen composites of the palm and palm side of the fingers are identical, only one representative composite shall be required to be tested. All variations in composite construction and the order of layering of composite materials shall constitute a new composite and shall be tested separately. Where a composite is identical to another composite except for additional reinforcement layer(s), the composite with no reinforcement layers shall be representative of the composite with reinforcement layer(s). Specimens shall not include seams except in the following cases:

- (1) Ridged areas or similar where stitching is used to create specific performance characteristics rather than for glove assembly
- (2) When there are size constraints of a material making it necessary to allow stitching in order to create the sample size required

Submitter Information Verification

Committee: FAE-AAC

Submittal Date: Tue Jul 30 21:47:04 EDT 2024

Committee Statement

Committee Statement: The cross-reference was not updated when the consolidated draft was created. This revision corrects that oversight.



Second Correlating Revision No. 7-NFPA 1950-2024 [Section No. 14.18.8.1]

14.18.8.1

Specimens shall be representative of the glove body composite construction at the following glove areas as described in ~~9.1.8~~ 14.1.8 and shall not include seams: A-P, B-P, D-P, E-P, F-P, G-P, H-P, I-P, A-B, B-B, D-B, E-B, F-B, G-B, H-B, and I-B. Specimens shall be representative of each glove body composite construction. All variations in composite construction and the order of layering of composite materials shall constitute a new composite and shall be tested separately. Where a composite is identical to another composite except for additional reinforcement layer(s), the composite with no reinforcement layers shall be representative of the composite with reinforcement layer(s). Specimens shall not include seams except in the following cases:

- (1) Ridged areas or similar where stitching is used to create specific performance characteristics rather than for glove assembly
- (2) When there are size constraints of a material making it necessary to allow stitching in order to create the sample size required

Submitter Information Verification

Committee: FAE-AAC

Submittal Date: Tue Jul 30 21:49:26 EDT 2024

Committee Statement

Committee Statement: The cross-reference was not updated when the consolidated draft was created. This revision corrects that oversight.



Second Correlating Revision No. 8-NFPA 1950-2024 [Section No. 14.33.7.3]

14.33.7.3

For multiple-use garments, additional samples of individual labels shall be conditioned only as specified in ~~14.1.6~~ 14.1.7.

Submitter Information Verification

Committee: FAE-AAC

Submittal Date: Tue Jul 30 21:51:31 EDT 2024

Committee Statement

Committee Statement: This test method previously required samples to be conditioned in accordance with the abrasion procedure (14.1.7). For the 2018 edition, TIA 18-8 inserted a new top-loading washing and drying procedure above this procedure, which caused the abrasion procedure to be renumbered. However, the cross-references in 14.33.7.3 was not updated accordingly. This revision corrects that oversight.



Second Correlating Revision No. 9-NFPA 1950-2024 [Section No. 14.33.8.2]

14.33.8.2

Individual labels only shall be conditioned as specified in ~~14.1.6~~ 14.1.7 .

Submitter Information Verification

Committee: FAE-AAC

Submittal Date: Tue Jul 30 21:55:16 EDT 2024

Committee Statement

Committee Statement: This test method previously required labels to be conditioned in accordance with the abrasion procedure (14.1.7). For the 2018 edition, TIA 18-8 inserted a new top-loading washing and drying procedure above this procedure, which caused the abrasion procedure to be renumbered. However, the cross-references in 14.33.8.2 was not updated accordingly. This revision corrects that oversight.



Second Correlating Revision No. 18-NFPA 1950-2024 [Section No. 16.1]

16.1 Product Label Requirements.

16.1.1

Each element of the protective ensemble shall have a product label or labels ~~permanently and conspicuously attached~~. ~~At least one product label shall be conspicuously~~ located inside each element when the element is properly assembled with all layers and components in place.

16.1.1.1

For goggles, the product labels shall be permitted to be ~~configured as detachable~~ labels or tags attached to the goggles, tags attached to the goggles, or package labels printed on or attached to the package containing the smallest number of goggles from which the user withdraws a pair of goggles for use.

16.1.1.2

For goggles, all markings on the lens shall be permanent, legible, and placed so that they do not interfere with the vision of the wearer.

16.1.2

Configuration of the product label and attachment of the product label shall not interfere with the legibility of any printed portion of the product label.

16.1.3

Multiple label pieces shall be permitted in order to carry all statements and information required to be on the product label.

16.1.3.1

All label pieces making up the product label shall be adjacent to each other.

16.1.4

The certification organization's label, symbol, or identifying mark shall be permanently attached to the product label or shall be part of the product label. All letters shall be at least 2.5 mm ($\frac{3}{32}$ in.) high. The label, symbol, or identifying mark shall be at least 6 mm ($\frac{1}{4}$ in.) in height and shall be placed in a conspicuous location.

16.1.5

All worded portions of the required product label shall be printed at least in English.

16.1.5.1

Supplementary labels shall also meet this requirement.

16.1.6

Symbols and other pictorial graphic representations shall be permitted to be used to supplement or in place of worded statements on the product label(s) where explanations for symbols and pictorial graphic representations are provided in the user information.

16.1.6.1

Supplementary labels shall also meet the requirement in 16.1.6 .

16.1.7

The following statement shall be printed legibly on the product label, and all letters shall be at least 2.5 mm ($\frac{3}{32}$ in.) high:

THIS { [*insert appropriate certification term here*] } ~~FIREFIGHTING- PROTECTIVE~~ { [*insert appropriate element term*] ~~here~~ } **MEETS THE REQUIREMENTS OF NFPA 1950 (1977, ~~STANDARD ON PROTECTIVE CLOTHING AND EQUIPMENT FOR WILDLAND FIRE FIGHTING AND URBAN INTERFACE FIRE FIGHTING, 202X~~), [*insert edition year*] EDITION.**

DO NOT REMOVE THIS LABEL!

16.1.7.1

The appropriate certification terms shall consist of one of the following:

- (1) WILDLAND FIREFIGHTING
- (2) WILDLAND FIREFIGHTING AND URBAN INTERFACE FIREFIGHTING

16.1.7.2

The appropriate element terms shall consist of one of the following:

- (1) GARMENT
- (2) HELMET
- (3) WORK GLOVES
- (4) FOOTWEAR
- (5) FACE/NECK SHROUD
- (6) GOGGLES
- (7) CHAIN SAW PROTECTOR
- (8) DRIVING GLOVES
- (9) LOAD-CARRYING EQUIPMENT

16.1.8

At least the following information shall also be printed legibly on the product label, with all letters at least 1.6 mm ($\frac{1}{16}$ in.) high:

- (1) Manufacturer's name, identification, or designation
- (2) Manufacturer's address
- (3) Country of manufacture
- (4) Manufacturer's identification number, lot number, or serial number
- (5) Month and year of manufacture (not coded)
- (6) Model or style name, number, or design
- (7) As applicable, the size, size range, and width
- (8) As applicable, garment materials and percent content
- (9) As applicable, nominal weight of helmet
- (10) Cleaning precautions
- (11) For face/neck shrouds, the compliant helmet(s) with which the face/neck shroud was certified

16.1.9

For goggles, at a minimum, the following shall be present directly on the goggles lens:

- (1) The manufacturer's identifying mark or symbol
- (2) The certification organization's label, symbol, or identifying mark
- (3) The statement "NFPA 1950 (1977) , ~~2022~~ [insert edition year] Ed." in letters at least 2 mm ($\frac{1}{16}$ in.) high

[Detail SR-129](#)

16.1.10 Additional Product Label Requirements for Wildland Firefighting Protective Elements Containing Electrical Circuitry.

16.1.10.1* Nonincendive Equipment and Systems.

The following additional compliance statement shall be printed on the product label for each wildland firefighting protective element containing electrical circuitry that complies with ~~46.1.10.2~~ 17.9.2 . All product label letters and figures shall be at least 2.5 mm ($\frac{3}{32}$ in.) in height.

THIS [INSERT APPROPRIATE TERM HERE *insert appropriate term*] PROTECTIVE ELEMENT CONTAINING CONTAINS ELECTRICAL CIRCUITRY MEETS MEETING THE REQUIREMENTS OF ANSI# UL 121201, 2017, FOR CLASS I & II, DIVISION 2, GROUPS ~~A, B,~~ C, D, F, G AND CLASS III, ([*insert temperature class*]) . DO NOT REMOVE THIS LABEL.

16.1.10.1.1

The appropriate terms consist of one of the following:

- (1) WILDLAND FIREFIGHTING
- (2) WILDLAND FIREFIGHTING AND URBAN INTERFACE FIREFIGHTING

16.1.10.2* Intrinsically Safe Apparatus and Systems.

The following additional compliance statement shall be printed on the product label for each wildland firefighting protective element containing electrical circuitry that complies with ~~46.3.3- 17.9.3~~ All product label letters and figures shall be at least 2.5 mm ($\frac{3}{32}$ in.) in height.

THIS [INSERT APPROPRIATE TERM HERE *insert appropriate term*] PROTECTIVE ELEMENT CONTAINING CONTAINS ELECTRICAL CIRCUITRY MEETS MEETING THE REQUIREMENTS OF ANSI# UL 913, SIXTH EDITION, FOR CLASS I & II, DIVISION 1, GROUPS C, D, E, F, G AND CLASS III, ([*insert temperature class*]) . DO NOT REMOVE THIS LABEL.

16.1.10.2.1

The appropriate terms consist of one of the following:

- (1) WILDLAND FIREFIGHTING
- (2) WILDLAND FIREFIGHTING AND URBAN INTERFACE FIREFIGHTING

Submitter Information Verification

Committee: FAE-AAC

Submittal Date: Thu Aug 01 13:10:58 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee accepts the changes proposed by the Technical Committee in Second Revision 128 (now Committee Comment 128) but makes the following additional changes:

(1) All references to the edition year of the standard are removed from the text to eliminate potential conflicts when the edition year changes by the time of issuance.

(2) The format of prescribed label text is updated for consistency with other labeling requirements in this standard.

Second Revision No. 128-NFPA 1950-2024 [Section No. 16.1]



Second Correlating Revision No. 12-NFPA 1950-2024 [Section No. 18.1.1]

18.1.1

Garment textile fabrics shall be tested for radiant protective performance as specified in Section 19.2 and shall have an average RPP value of not less than 29 J/cm^2 ~~(7 cal/cm²)~~.

Submitter Information Verification

Committee: FAE-AAC

Submittal Date: Tue Jul 30 22:07:40 EDT 2024

Committee Statement

Committee Statement: The primary units for radiant protective performance (RPP), as applied in the US, is cal/cm².



Second Correlating Revision No. 10-NFPA 1950-2024 [Section No. 18.3.6]

18.3.6

Protective work glove body composites shall be tested for resistance to puncture as specified in Section 19.24 and shall have a puncture force of not less than 40 N (~~8.8~~ 9 lbf).

Submitter Information Verification

Committee: FAE-AAC

Submittal Date: Tue Jul 30 21:59:11 EDT 2024

Committee Statement

Committee Statement: The secondary units conversion is corrected. 40 N is equal to 8.99 lbf, which rounds to 9 lbf.



Second Correlating Revision No. 13-NFPA 1950-2024 [Section No. 18.5.1]

18.5.1

Protective face/neck shroud textile fabrics shall be tested for radiant protective performance as specified in Section 19.2 and shall have an average RPP value of not less than $7 \frac{\text{cal}}{\text{cm}^2}$.

Submitter Information Verification

Committee: FAE-AAC

Submittal Date: Tue Jul 30 22:09:50 EDT 2024

Committee Statement

Committee Statement: The performance requirement was missing the units for the minimum average radiant protective performance (RPP) value.



Second Correlating Revision No. 19-NFPA 1950-2024 [Sections 20.5.1.6.1, 20.5.1.6.2]

20.5.1.6.1

For nonbarrier multifunctional protective ensemble elements, excluding helmets, the following statement shall be printed on the product label as specified in 20.5.1.6:

THIS NONBARRIER MULTIFUNCTIONAL PROTECTIVE ENSEMBLE- *[insert appropriate element term here]* ELEMENT- MEETS THE REQUIREMENTS OF NFPA 1950, Standard on Personal Protective Equipment for Technical Rescue Incidents, Emergency Medical Operations, and Wildland and Urban Interface Firefighting, 2024 [*insert edition year*] EDITION. THIS ENSEMBLE *[insert appropriate element term here]* DOES NOT PROVIDE PROTECTION AGAINST HAZARDOUS LIQUIDS.

DO NOT REMOVE THIS LABEL!

20.5.1.6.2

For barrier multifunctional protective ensemble elements, excluding helmets, the following statement shall also be printed on the product label as specified in 20.5.1.6:

THIS BARRIER MULTIFUNCTIONAL PROTECTIVE ENSEMBLE- *[insert appropriate element term here]* ELEMENT- MEETS THE REQUIREMENTS OF NFPA 1950, Standard on Personal Protective Equipment for Technical Rescue Incidents, Emergency Medical Operations, and Wildland and Urban Interface Firefighting, 2024 [*insert edition year*] EDITION.

DO NOT REMOVE THIS LABEL- !

20.5.1.6.3

For multifunctional protective helmets, the following statement shall be printed on the product label as specified in 20.5.1.6 :

THIS MULTIFUNCTIONAL PROTECTIVE HELMET MEETS THE REQUIREMENTS OF NFPA 1950, Standard on Personal Protective Equipment for Technical Rescue Incidents, Emergency Medical Operations, and Wildland and Urban Interface Firefighting, [*insert edition year*] EDITION.

DO NOT REMOVE THIS LABEL!

Submitter Information Verification

Committee: FAE-AAC

Submittal Date: Thu Aug 01 13:22:46 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee accepts the changes proposed by the Technical Committee in Second Revision 44 (now Committee Comment 44) but makes the following additional changes:

- (1) All references to the edition year of the standard are removed from the text to eliminate potential conflicts when the edition year changes by the time of issuance.
- (2) The format of prescribed label text is updated for consistency with other labeling

requirements in this standard and with the standard's title.

Second Revision No. 44-NFPA 1950-2024 [Sections 20.5.1.6.1, 20.5.1.6.2]



Second Correlating Revision No. 20-NFPA 1950-2024 [Section No. 20.5.1.9.5]

20.5.1.9.5

Where goggles have a package label, the certification organization's label, symbol, or identifying mark and at least the following statement shall be legibly printed as the product label on each pair of goggles. All letters and numbers shall be at least 3 mm ($\frac{1}{8}$ in.) high.

MEETS NFPA 1950, 2024 [insert edition year] EDITION

Submitter Information Verification

Committee: FAE-AAC

Submittal Date: Thu Aug 01 13:31:16 EDT 2024

Committee Statement

Committee Statement: All references to the edition year of the standard are removed from the text to eliminate potential conflicts when the edition year changes by the time of issuance.