Tentative Interim Amendment

NFPA® 1990

Standard for Protective Ensembles for Hazardous Materials and CBRN Operations

2022 Edition

Reference: 5.3.3.2, 7.1.5.4.5, 7.1.8.1, 7.3.2, 7.3.3, 8.3.1.2, and 8.5.3.8
TIA 22-1
(SC 22-4-14 / TIA Log #1629)

Pursuant to Section 5 of the NFPA *Regulations Governing the Development of NFPA Standards*, the National Fire Protection Association has issued the following Tentative Interim Amendment to NFPA 1990, *Standard for Protective Ensembles for Hazardous Materials and CBRN Operations*, 2022 edition. The TIA was processed by the Technical Committee on Hazardous Materials Protective Clothing and Equipment, and the Correlating Committee on Fire and Emergency Services Protective Clothing and Equipment, and was issued by the Standards Council on April 12, 2022, with an effective date of May 2, 2022.

1. Revise 5.3.3.2 to read as follows:

5.3.3.2* 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 ~~12~~7 in the current edition of this standard using the reporting formats provided in Table 5.3.3.2(a) and Table 5.3.3.2(b) for each ensemble, ensemble element, material, or component, as applicable.

2. Delete paragraph 7.1.5.4.5 and renumber subsequent paragraphs to read as follows:

~~**7.1.5.4.5** Footwear cover materials shall be tested for cold weather flexibility as specified in 8.5.11.2 and shall not show a pressure change of more than 100 Pa (2.1 lb/ft2).~~

7.1.5.4.65 Footwear cover materials shall be tested for abrasion resistance as specified in 8.5.9.2 and shall show no wear-through after 3000 cycles.

7.1.5.4.~~7~~6 The wear surface of footwear covers shall be tested for slip resistance as specified in 8.6.6 and shall have a coefficient of friction of 0.40 or greater.

3. Revise paragraph 7.1.8.1 to read as follows:

7.1.8.1 Ensembles and garment elements shall be tested for overall flash protection as specified in 8.4.~~4~~3 and shall meet the following criteria:
(1) Afterflame times shall be no longer than 5 seconds …

4. Revise 7.3.2 and 7.3.3 to read as follows:

7.3.2 NFPA 1992-certified garment, visor, glove, footwear, hood, and elastomeric interface materials shall be tested for ~~ultrahigh permeation~~ penetration resistance against the following liquid chemicals:
(1) Butyl acetate, CAS No. 123-86-4, …

7.3.3 NFPA 1992-certified garment, visor, glove, footwear, hood, and elastomeric interface seams in and between elements and components shall be tested for ~~ultrahigh permeation~~ penetration resistance against the following chemicals:
(1) Fuel H — surrogate gasoline ...

5. Revise section 8.3.1.2 and renumber accordingly to read as follows:

8.3.1.2 Chemical Permeation Resistance Test Two.
8.3.1.2.1 Application.
8.3.1.2.1.1 This method shall apply to NFPA 1991– and NFPA 1994-compliant ensembles and ensemble elements.
8.3.1.2.1.2 Specific requirements for testing garment materials shall be as specified in 8.3.1.2.~~17~~19.
8.3.1.2.1.3 Specific requirements for testing visors shall be as specified in 8.3.1.2.~~18~~20.
8.3.1.2.1.4 Specific requirements for testing glove materials shall be as specified in 8.3.1.2.~~19~~21.
~~**8.3.1.2.1.5** Specific requirements for testing sock materials shall be as specified in 8.3.1.2.21.~~
8.3.1.2.1.6 ~~**6**~~ **5** Specific requirements for testing footwear materials shall be as specified in 8.3.1.2.22.
~~**8.3.1.2.1.7** Specific requirements for testing hood materials shall be specified in 8.3.1.2.21.~~
8.3.1.2.1.8 ~~**6**~~ **6** Specific requirements for testing seams shall be as specified in 8.3.1.2.~~21~~23.
8.3.1.2.1.9 ~~**7**~~ **7** Specific requirements for testing elastomeric interface materials shall be specified in 8.3.1.2.~~22~~24.

6. Revise paragraph 8.5.3.8.2 to read as follows:
8.5.3.8.2 Specimens shall be conditioned as specified in 8.1.~~9~~7.

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(Note: For further information on NFPA Codes and Standards, please see www.nfpa.org/docinfo**)**
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