

NFPA 1994-2018 Edition

Standard on Protective Ensembles for First Responders to Hazardous Materials Emergencies and CBRN Terrorism Incidents

TIA Log No.: 1372

Reference: 7.1.2.6.1(new), 7.1.2.8.4.1(new), 7.3.2.5.1(new), and 7.3.2.8.3.1(new)

Comment Closing Date: July 19, 2018

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www.nfpa.org/1994

1. Add a new paragraph 7.1.2.6.1 to read as follows:

7.1.2.6.1 Seam breaking strength shall be considered acceptable where the material strength is less than the required seam strength specified in 7.1.2.6 provided the material fails without failure of the seam below the applicable forces specified in 7.1.2.6.

2. Add a new paragraph 7.1.2.8.4.1 to read as follows:

7.1.2.8.4.1 Seam breaking strength shall be considered acceptable where the material strength is less than the required seam strength specified in 7.1.2.8.4 provided the material fails without failure of the seam below the applicable forces specified in 7.1.2.8.4.

3. Add a new paragraph 7.3.2.5.1 to read as follows:

7.3.2.5.1 Seam breaking strength shall be considered acceptable where the material strength is less than the required seam strength specified in 7.3.2.5 provided the material fails without failure of the seam below the applicable forces specified in 7.3.2.5.

4. Add a new paragraph 7.3.2.8.3.1 to read as follows:

7.3.2.8.3.1 Seam breaking strength shall be considered acceptable where the material strength is less than the required seam strength specified in 7.3.2.8.3 provided the material fails without failure of the seam below the applicable forces specified in 7.3.2.8.3.

Substantiation: Seam breaking strength cannot be properly interpreted. If the seam being evaluated includes the garment material joined to an otherwise compliant component, such as an inner glove or sock material, which is not expected to be as strong as the garment material. Breakage of the test specimen in the component, especially at the attachment point of the tensile testing machine jaws should not be considered the basis for failing a sample. Other standards including NFPA 1951-2013 and NFPA 1971-2018 provide the same manner of interpretation as suggested by this proposed amendment. This is only an issue that pertains to Class 1 and Class 2R seams for garments and visors, where significantly larger seam strength requirements are imposed.

Emergency Nature: The NFPA Standard contains an error or an omission that was overlooked during the regular revision process.

The committee inadvertently overlooked a necessary provision to allow for the proper execution of the requirement in the interpretation of seam breaking strength test results for compliant components with the garment.

Anyone may submit a comment by the closing date indicated above. Please identify the TIA number forward to the Secretary, Standards Council. [SUBMIT A COMMENT](#)