



# NFPA

1 Batterymarch Park, Quincy, MA 02169-7471 USA  
Phone: +1 (617) 770-3000 Fax: +1 (617) 770-0700 www.nfpa.org

## MEMORANDUM

To: Technical Committee on Sprinkler System Installation Criteria

From: Jeanne Moreau

Date: June 28, 2010

Subject: NFPA 13 Proposed Tentative Interim Amendment (TIA) No.998

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The attached proposed Tentative Interim Amendment (TIA) is being submitted to you for letter ballot. This proposed TIA was submitted by Ken Isman and endorsed by Mike Friedman.

This proposed TIA is being published for public comment in the next issue of *NFPA News* with a Public Comment Closing Date of July 23, 2010. Any public comments received will be circulated to the committee. The Standards Council will consider the issuance of this TIA at their August 3-5, 2010 meeting.

In addition to being balloted on the technical merits of the proposed TIA, the Committee is also being balloted on whether or not this matter is of an emergency nature. Please see the attached information regarding the processing of TIAs from the NFPA Regulations Governing Committee Projects.

Please complete and return the attached letter ballot to Jeanne Moreau either via email to [jmoreaucorreia@nfpa.org](mailto:jmoreaucorreia@nfpa.org) or via fax to 617-984-7110. **Ballots are due on Tuesday, July 6, 2010.**

*Note: Please remember that the return of ballots and attendance at committee meetings are required in accordance with the NFPA Regulations Governing Committee Projects.*

Attachments: Ballot Form  
Proposed TIA

**TECHNICAL COMMITTEE LETTER BALLOT  
PROPOSED TENTATIVE INTERIM AMENDMENT LOG NO. 998**

Adding 7.6.1 and renumber accordingly to the  
2010 Edition of NFPA 13,  
*Standard for the Installation of Sprinkler Systems*

**Question 1:** With respect to the **TECHNICAL MERITS** of the Proposed TIA, please record me as voting:

\_\_\_\_\_ **AFFIRMATIVE**    \_\_\_\_\_ **NEGATIVE\***    \_\_\_\_\_ **ABSTAIN\***

**EXPLANATION OF VOTE** - Please type or print your comments:

\*An explanation must accompany a negative or abstaining position.

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**Question 2:** With respect to the judgment that the subject is of an **EMERGENCY NATURE**, please record me as voting:

\_\_\_\_\_ **AGREEMENT**    \_\_\_\_\_ **DISAGREEMENT\***    \_\_\_\_\_ **ABSTAIN\***

**EXPLANATION OF VOTE** - Please type or print your comments:

\*An explanation must accompany a disagreement or abstaining position.

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\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name (Please Print)

\_\_\_\_\_  
Date

Please return the ballot on or before **Tuesday, July 6, 2010.**

**PLEASE RETURN TO:**

Jeanne Moreau  
NFPA  
1 Batterymarch Park  
Quincy, MA 02169

**FAX: (617) 984-7110**

**E-mail: [jmoreaucorreia@nfpa.org](mailto:jmoreaucorreia@nfpa.org)**

**NFPA 13-2010**

*Standard for the Installation of Sprinkler Systems*

**TIA Log No.: 998**

**Reference:** 7.6.1

**Comment Closing Date:** July 23, 2010

**Submitter:** Ken Isman, National Fire Sprinkler Association, Inc.

1. *Add a new 7.6.1 as follows:*

**7.6.1 Dwelling Units.** Antifreeze concentrations in excess of 50% by volume shall not be permitted within the dwelling unit portions of sprinkler systems.

**7.6.1.1** Only Factory premixed solutions shall be permitted.

2. *Renumber the remainder of the section accordingly.*

**Submitter's Substantiation.** As a result of information obtained through a report from the Fire Protection Research Foundation titled *Antifreeze Solutions in Home Fire Sprinkler Systems* and data compiled in a UL document titled *Fire Test Data Summary for Residential Sprinklers Discharging Antifreeze Mixtures* sufficient technical documentation now exists to highlight safety concerns and knowledge gaps regarding the provisions permitting antifreeze in sprinkler systems protecting dwelling units.

Until such time that additional research is conducted to satisfy the concerns and knowledge gaps the safe use of antifreeze solutions in high concentrations within sprinkler systems protecting dwelling units cannot be assured.

Mandating the use of factory premix solutions is a quality control measure to ensure the concentrations are not used above the established limit.

**Emergency Nature:**

1. The proposed TIA intends to correct a previously unknown existing hazard.
2. The proposed TIA intends to offer to the public a benefit that would lessen a recognized (known) hazard or ameliorate a continuing dangerous condition or situation.

**Attachments:**

Fire Protection Research Foundation titled *Antifreeze Solutions in Home Fire Sprinkler Systems* dated May 28, 2010

UL document titled *Fire Test Data Summary for Residential Sprinklers Discharging Antifreeze Mixtures* dated May 26, 2010

## **Section 5 Tentative Interim Amendments.**

**5.1 Preliminary Determination of Compliance.** A Tentative Interim Amendment (TIA) to any Document may be processed if the Council Secretary determines, after a preliminary review, and consultation with the appropriate Chair, that the Amendment appears to be of an emergency nature requiring prompt action and has the endorsement of at least two Members of the involved TC or TCC. If processed, the question of emergency nature shall be considered by the TC and TCC. The text of a proposed Tentative Interim Amendment may be processed as submitted or may be changed, but only with the approval of the submitter.

**5.2 Evaluation of Emergency Nature.** Determination of an emergency nature shall include but not be limited to one or more of the following factors:

- (a) The document contains an error or an omission that was overlooked during a regular revision process.
- (b) The document contains a conflict within the document or with another NFPA document.
- (c) The proposed TIA intends to correct a previously unknown existing hazard.
- (d) The proposed TIA intends to offer to the public a benefit that would lessen a recognized (known) hazard or ameliorate a continuing dangerous condition or situation.
- (e) The proposed TIA intends to accomplish a recognition of an advance in the art of safeguarding property or life where an alternative method is not in current use or is unavailable to the public.
- (f) The proposed TIA intends to correct a circumstance in which the revised document has resulted in an adverse impact on a product or method that was inadvertently overlooked in the total revision process, or was without adequate technical (safety) justification for the action.

**5.3 Publication of Proposed Tentative Interim Amendment.** A proposed Tentative Interim Amendment that meets the provisions of 5.1 shall be published by the Association in appropriate media with a notice that the proposed Tentative Interim Amendment has been forwarded to the responsible TC and TCC for processing and that anyone interested may comment on the proposed Tentative Interim Amendment within the time period established and published.

### **5.4 Technical Committee and Technical Correlating Committee Action.**

(a) The proposed Tentative Interim Amendment shall be submitted for ballot and comment of the TC in accordance with 3.3.4. The TC shall be separately balloted on both the technical merits of the amendment and whether the amendment involves an issue of an emergency nature. Such balloting shall be completed concurrently with the public review period. Any public comments inconsistent with the vote of any TC Member shall be circulated to the TC to allow votes to be changed. A recommendation for approval shall be established if three-fourths of the voting Members calculated in accordance with 3.3.4.5 have voted in favor of the Tentative Interim Amendment.

(b) The proposed Tentative Interim Amendment shall be submitted for ballot and comment of the TCC, if any, which shall make a recommendation to the Council with respect to the disposition of the Tentative Interim Amendment. The TCC shall be separately balloted on both the merits of the amendment (as it relates to the TCC

authority and responsibilities in accordance with 3.4.2 and 3.4.3) and whether the amendment involves an issue of an emergency nature. Any public comments inconsistent with the vote of any TC or TCC Member shall be circulated to the 28 TCC to allow votes to be changed. A recommendation for approval shall be established if three-fourths of the voting Members calculated in accordance with 3.3.4.5 have voted in favor of the Tentative Interim Amendment.

(c) All public comments, ballots, and comments on ballot on the proposed Tentative Interim Amendment shall be summarized in a staff report and forwarded to the Council for action in accordance with 5.5.

**5.5 Action of the Council.** The Council shall review the material submitted in accordance with 5.4(c), together with the record on any Appeals (see 1.6, 1.6.1), and shall take one of the following actions:

- (a) Issue the proposed Tentative Interim Amendment
- (b) Issue the proposed Tentative Interim Amendment as amended by the Council
- (c) Where acted on concurrently with the issuance of a new edition of the Document to which it relates, issue the Tentative Interim Amendment as part of the new edition;
- (d) Reject the proposed Tentative Interim Amendment
- (e) Return the proposed Tentative Interim Amendment to the TC with appropriate instruction
- (f) Direct a different action

**5.6 Effective Date of Amendment.** Tentative Interim Amendments shall become effective 20 days after Council issuance unless the President determines, within his or her discretion, that the effective date shall be delayed pending the consideration of a Petition to the Board of Directors (see 1.7). The President may also, within his or her discretion, refer the matter of a delay in the effective date of the TIA to the Executive Committee of the Board of Directors or to the Board of Directors.

**5.7 Publication of Amendment.** The Association shall publish in one of its publications sent or accessible to all Members notice of the issuance of each Tentative Interim Amendment and may, as appropriate, issue a news release to applicable and interested technical journals. The notice and any news release shall indicate the tentative character of the Tentative Interim Amendment. In any subsequent distribution of the Document to which the Tentative Interim Amendment applies, the text of the Tentative Interim Amendment shall be included in a manner judged most feasible to accomplish the desired objectives.

**5.8 Applicability.** Tentative Interim Amendments shall apply to the document existing at the time of issuance. Tentative Interim Amendments issued after the proposal closing date shall also apply, where the text of the existing document remains unchanged, to the next edition of the Document. Tentative Interim Amendments issued concurrently with the issuance of a new edition shall apply to both the existing and new edition.

**5.9 Subsequent Processing.** TC responsible for the Document or part of the Document affected shall process the subject matter of any Tentative Interim Amendment as a proposal for the next edition of the Document (see 3.3).

**5.10 Exception.** When the Council authorizes other procedures for the processing and/or issuance of Tentative Interim Amendments, the provisions of this Section shall not apply.