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# Action on NFPA Codes & Standards

# NFPA NEWS

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## Comments Sought on Proposed Tentative Interim Amendments

The following Tentative Interim Amendments (TIAs) has been proposed to NFPA. It is being published for public review and comment. All comments should be filed by the comment closing date indicated on each TIA with the Secretary to the Standards Council, by email at [tias\\_errata\\_fis@nfpa.org](mailto:tias_errata_fis@nfpa.org), by mail at NFPA 1 Batterymarch Park, Quincy, MA, 02169-7471, or by fax at 617-770-3500. The proposed TIA has also been forwarded to the responsible technical committee for processing. The technical committee will consider public comments received by the date indicated below before vote is taken on the proposed TIA. (Please identify the number of the TIA to which the comment is addressed.) Three-fourths of the voting members of the technical committee and/ or the technical correlating committee, if any, must vote in favor of the TIA on both technical merit and emergency nature as calculated in accordance with 3.3.4.5 of the Regulations Governing Committee Projects to establish a recommendation for approval of the TIA.

The Standards Council will review the technical committees' ballot results, the public comments, and any other information that has been submitted when it considers the issuance of the TIA at the August 9-11, 2011 Standards Council meeting. In accordance with 1.6.2(c) of the Regulations, a proposed TIA which has been submitted for processing pursuant to 5.1 of the Regulations will be automatically docketed as an appeal on the agenda of the Standards Council, and any party may advocate their position either in writing or in person before the Council. If an automatically docketed appeal has not been pursued by any party, the Council need not consider the matter as an appeal.

A TIA is tentative because it has not been processed through the entire codes- and standards-making procedures. It is interim because it is effective only between editions of the document. A TIA automatically becomes a proposal of the proponent for the next edition of the document. As such, it then is subject to all of the procedures of the codes- and standards-making process.

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**NFPA 99-Proposed 2012 Edition**  
*Standard for Health Care Facilities*  
TIA Log No. 1031

**Reference:** Chapter 8 (New)

**Comment Closing Date:** July 20, 2011

**Submitter:** Roger Lautz, Affiliated Engineers, Inc.

1. Add a new Chapter 8 to read as follows:

#### Chapter 8 Plumbing

##### 8.1 Applicability.

**8.1.1** This chapter shall apply to construction of new health care facilities, except as noted in 8.1.2 and 8.1.3.

**8.1.2** This chapter shall also apply to the altered, renovated, or modernized portions of existing systems or individual components.

**8.1.3** Existing construction or equipment shall be permitted to be continued in use when such use does not constitute a distinct hazard to life.

##### 8.1.4 Definitions.

**8.1.4.1 Nonmedical Compressed Air.** Air that is used for purposes other than patient care or medical devices that provide direct patient care.

**8.2\* System Category Criteria.** The health care facility's governing body that has the responsibility for the building system components as identified in this chapter shall designate, in accordance with the function of each space, building system categories in accordance with Sections 4.1 and 4.2.

**8.2.1\*** The category of risk applied to each plumbing system serving a space shall be independent of the category of risk applied to other systems serving that same space.

##### 8.3 General Requirements.

**8.3.1 Potable Water.** Potable water systems shall comply with applicable plumbing codes.

**8.3.2 Nonpotable Water.** Nonpotable water systems shall comply with applicable plumbing codes.

**8.3.3 Water Heating.** Maximum hot water temperatures shall comply with *AIA Guidelines for the Design and Construction of Health Care Facilities*.

**8.3.4 Water Conditioning.** Water shall be treated or heated to control pathogens in the water.

##### 8.3.5 Nonmedical Compressed Air.

**8.3.5.1** Nonmedical air compressors shall comply with UL and ASME.

**8.3.5.2** Nonmedical compressed air shall not be used for medical instruments or for human respiration.

**8.3.6 Special Use Water Systems.** When special use water systems are required, application of standards shall be provided in accordance with appropriate publicly reviewed nationally published standards.

##### 8.3.7 Grease Interceptors.

**8.3.7.1** Sizing for grease interceptors shall be permitted per local

plumbing codes on an engineered calculation factoring meals served per day.

**8.3.7.2** Grease interceptors shall be sized to capture grease from kitchen cooking and cleaning functions and shall prohibit introduction of grease into the sanitary sewer system.

**8.3.8 Fixtures.** Plumbing fixtures shall be suitable for the intended use.

**8.3.9 Black Waste Water.** Black waste water shall be discharged to a sanitary sewer or private on-site waste treatment system as permitted by applicable plumbing codes.

**8.3.10 Grey Waste Water.**

**8.3.10.1** Grey waste water shall be permitted to be stored on-site and used for nonpotable water systems as permitted by applicable plumbing codes.

**8.3.10.2** Grey waste water shall not be used for any system that aerosolizes the water in a breathing zone or has direct contact with humans.

**8.3.10.3** Excess grey waste water shall be discharged to a sanitary sewer or private on-site waste treatment system as permitted by applicable plumbing codes.

**8.3.11 Clear Waste Water.**

**8.3.11.1** Clear waste water shall be permitted to be stored on-site and used for nonpotable water systems as permitted by applicable plumbing codes.

**8.3.11.2** Clear waste water that has been treated to potable water standards shall be permitted to be used as nonpotable water.

**8.3.11.3** Clear waste water that has not been treated to potable water standards shall not be used for any system that aerosolizes the water in a breathing zone or has direct contact with humans.

**8.3.11.4** Excess clear waste water shall be discharged to a storm

sewer, held in detention ponds, or recharged into the water table as permitted by applicable plumbing codes.

**A.8.2.1** There are no interdependencies for each type of system (e.g., medical gas, electrical, potable water, nonpotable water, non-medical compressed air, heating). A risk assessment of each system should be conducted to evaluate the risk to the patient, staff, and visitors. It is possible when applying this section to identify multiple categories of systems serving a single patient. For example see Table A.8.2 and A.4.1. **(See below)**

**Submitter’s Substantiation:** Chapter 8, Plumbing, was returned to the committee at the Association Technical Meeting in June 2011. As a result, there are no requirements for any plumbing system in a health care facility. The committee feels it is necessary to reference local and national codes for the installation of a plumbing system to provide guidance to the users of NFPA 99. It was stated at the Association Technical Meeting, and agreed upon, that in the event of Chapter 8 being returned, the committee would process a TIA to bring back the necessary language that the committee felt was not controversial and would make the document a more useable code.

**Emergency Nature:** It is important to process the following TIA immediately to correct an omission as NFPA 99 will be incomplete without the reference to local and national codes for plumbing system in a health care facility. Health care facilities depend on the requirements of NFPA 99 for the various systems such as electrical, medical gas and vacuum, security systems and information systems but the code will be incomplete if the plumbing requirements do not exist, thus leaving the users and designers without any specific guidance. This TIA will correct a situation that has an adverse impact on the safety of patients and staff in health care facilities as well as an adverse impact on the adoption of the code.

**Table A.8.2 Category Designation by Function — Plumbing**

Function	Potable	Nonpotable	Special Use	Water Conditioning	Water Heating	Process Air	Fuel
Airborne infection isolation room	2	NA	NA	NA	3	NA	NA
Burn patient care rooms	2	NA	NA	NA	3	NA	NA
Business offices/administration	4	4	4	4	4	4	4
Central sterile room	2	NA	NA	NA	3	2	NA
Class A surgical procedures	2	NA	NA	NA	3	NA	NA
Class B surgical procedures	2	NA	NA	NA	3	NA	NA
Class C surgical procedures	2	NA	NA	NA	3	NA	NA
Critical care rooms (Category 1 room)	2	NA	NA	NA	3	NA	NA
Emergency department trauma room	2	NA	NA	NA	3	NA	NA
Hemodialysis	2	NA	2	NA	3	NA	NA
Intensive care	2	NA	NA	NA	3	NA	NA
Medical records	4	4	4	4	4	4	4
Morgue	2	NA	NA	NA	3	NA	NA
PACU	2	NA	NA	NA	3	NA	NA
Patient education	4	4	4	4	4	4	4
Pharmacy	2	NA	NA	NA	3	NA	NA
Protective environment room	2	NA	NA	NA	3	NA	NA
Radiology	2	NA	NA	NA	3	NA	NA
Speech therapy	4	4	4	4	4	4	4
Waiting rooms	4	4	4	4	4	4	4

NA: Not applicable

Note: This is a sample table. The numbers represented in this table might not be consistent with the health care facility scenario.

**NFPA 99-Proposed 2012 Edition**  
*Standard for Health Care Facilities*  
**TIA Log No. 1032**

**Reference:** Chapter 9 (New)

**Comment Closing Date:** July 20, 2011

**Submitter:** Roger Lutz, Affiliated Engineers, Inc.

1. Add a new Chapter 9 to read as follows:

**Chapter 9 Heating, Ventilation, and Air Conditioning (HVAC)**

**9.1 Applicability.**

**9.1.1** This chapter shall apply to construction of new health care facilities, except as noted in 9.1.2 and 9.1.3.

**9.1.2** This chapter shall also apply to the altered, renovated, or modernized portions of existing systems or individual components.

**9.1.3** Existing construction or equipment shall be permitted to be continued in use when such use does not constitute a distinct hazard to life.

**9.1.4 Definitions.**

**9.1.4.1 Ventilation.** The mechanical or natural movement of air.

**9.2\* System Category Criteria.** The health care facility's governing body that has the responsibility for the building system components as identified in this chapter shall designate, in accordance with the function of each space, building system categories in accordance with Sections 4.1 and 4.2.

**9.2.1\*** The category of risk applied to each HVAC system serving a space shall be independent of the category of risk applied to other systems serving that same space.

**9.3 General.**

**9.3.1 Heating, Cooling, Ventilating, and Process Systems.**

**9.3.1.1** Heating, cooling, ventilating, and process systems serving spaces or providing health care functions covered by this code or listed within ASHRAE 170 shall be provided in accordance with ASHRAE 170.

**9.3.1.2** Laboratories shall comply with NFPA 45.

**9.3.2 Energy Conservation.** Heating, cooling, and ventilating systems serving spaces or providing health care functions covered by this code shall comply with ASHRAE 90.1 or another locally adopted energy code.

**9.3.3 Commissioning.**

**9.3.3.1** Heating, cooling, ventilating, and process systems serving spaces or providing health care functions covered by this code shall be commissioned in accordance with ASHRAE 90.1.

**9.3.3.2** Commissioning shall follow ASHRAE Guidelines 0 and 1 or any other publically reviewed document acceptable to the authority having jurisdiction.

**9.3.4 Piping.** Heating, cooling, ventilating, and process systems serving spaces or providing health care functions covered by this code shall utilize piping systems complying with ASME standards.

**9.3.5 Ductwork.** Heating, cooling, ventilating, and process systems serving spaces or providing health care functions covered by this code shall utilize ductwork systems complying with SMACNA standards.

**9.3.6 Acoustics.** Heating, cooling, ventilating, and process systems serving spaces or providing health care functions covered by this code shall not exceed noise criteria for specific spaces as listed in the ASHRAE handbook.

**9.3.7 Medical Gas Storage or Transfilling.**

**9.3.7.1** All gases, other than medical gases, shall be provided with ventilation per NFPA 55, *Compressed Gases and Cryogenic Fluids Code*.

**9.3.7.2** Outdoor storage/installations for medical gases and cryogenic fluids shall be provided with ventilation per NFPA 55, *Com-*

*pressed Gases and Cryogenic Fluids Code*.

**9.3.7.3\*** Medical gases and cryogenic fluids that are in use per Chapter 11 shall not require special ventilation.

**9.3.7.4** Transfilling area shall be provided with ventilation in accordance with NFPA 55.

**9.3.7.5** Indoor storage or manifold areas and storage or manifold buildings for medical gases and cryogenic fluids shall be provided with natural ventilation or mechanical exhaust ventilation in accordance with 9.3.7.5.1 through 9.3.7.8.

**9.3.7.5.1\*** For the purposes of this section, the volume of fluid (gas and liquid) to be used in determining the ventilation requirements shall be the volume of the stored fluid when expanded to standard temperature and pressure (STP) of either the largest single vessel in the enclosed space or of the entire volume of the connected vessels that are on a common manifold in the enclosed space, whichever is larger.

**9.3.7.5.2 Natural Ventilation.**

**9.3.7.5.2.1** Natural ventilation shall consist of two nonclosable louvered openings, each having an aggregate free opening area of at least 155 cm<sup>2</sup>/35 L (24 in.<sup>2</sup>/1000 ft<sup>3</sup>) of the fluid designed to be stored in the space and in no case less than 465 cm<sup>2</sup> (72 in.<sup>2</sup>).

**9.3.7.5.2.2** One opening shall be located within 30 cm (1 ft) of the floor, and one shall be located within 30 cm (1 ft) of the ceiling.

**9.3.7.5.2.3** The openings shall be located to ensure cross ventilation.

**9.3.7.5.2.4** Natural ventilation openings shall be directly to the outside atmosphere without ductwork.

**9.3.7.5.2.5** Mechanical ventilation shall be provided if natural ventilation requirements cannot be met.

**9.3.7.5.3 Mechanical Ventilation.**

**9.3.7.5.3.1** Mechanical exhaust to maintain a negative pressure in the space shall be provided continuously, unless an alternative design is approved by the authority having jurisdiction.

**9.3.7.5.3.2** Mechanical exhaust shall be at a rate of 1 L/sec of air-flow for each 300 L (1 cfm per 5 ft<sup>3</sup> of fluid) designed to be stored in the space and not less than 24 L/sec (50 cfm) nor more than 235 L/sec (500 cfm).

**9.3.7.5.3.3** Mechanical exhaust inlets shall be unobstructed and shall draw air from within 300 mm (1 ft) of the floor and adjacent to the cylinder or containers.

**9.3.7.5.3.4** Mechanical exhaust air fans shall be supplied with electrical power from the essential electrical system.

**9.3.7.5.3.5** Dedicated exhaust systems shall not be required, provided that the system does not connect to spaces that contain combustible or flammable materials.

**9.3.7.5.3.6** The exhaust duct material shall be noncombustible.

**9.3.7.5.3.7** A means of make-up air shall be provided according to one of the following:

(1) Air shall be permitted to be transferred from adjacent spaces, or from outside the building, or that do not contain combustible or flammable materials via noncombustible ductwork.

(2) Air shall be permitted to be transferred from a corridor under the door up to the greater of 24 L/sec (50 cfm) or 15 percent of the room exhaust in accordance with NFPA 90A.

(3) Supply air shall be permitted to be provided from any building ventilation system that does not contain flammable or combustible vapors.

**9.3.7.6** Discharge from the natural and mechanical ventilation systems shall be sited by a minimum separation distance in accordance with NFPA 55.

**9.3.7.7** A storage room shall maintain a temperature not greater than 52°C (125°F).

**9.3.7.8** A transfer or manifold room shall maintain a temperature not greater than 52°C (125°F) and not less than -7°C (20°F).

**9.3.8 Waste Gas.**

**9.3.8.1** Removal of excess anesthetic gases from the anesthesia circuit shall be accomplished by waste anesthetic gas disposal (WAGD), as described in Chapter 5, or by an active or passive scavenging ventilation system.

**9.3.8.1.1 Active Systems.** A dedicated exhaust system with an exhaust fan shall be provided to interconnect all of the anesthesia gas circuits to provide sufficient airflow and negative pressure in the gas disposal tubing so that cross contamination does not occur in the other circuits connected to the system.

**9.3.8.1.2 Passive Systems.**

**9.3.8.1.2.1** A dedicated exhaust system with an exhaust fan shall be provided to exhaust snorkels at all of the anesthesia gas circuits to provide sufficient airflow to capture the gases, vapors, and particles expelled from the gas disposal tubing.

**9.3.8.1.2.2** The snorkel shall include a minimum 25.4-mm (1-in.) diameter tubing connected to the exhaust system.

**9.3.8.2** All the exhausted air shall be vented to the external atmosphere.

**9.3.8.3** The excess anesthetic gases shall be deposited into the exhaust stream either at the exhaust grille or further downstream in the exhaust duct.

**9.3.9 Medical Plume Evacuation.** Plumes from medical procedures including the use of lasers shall be captured by one of the following methods:

- (1) Direct connection to a unfiltered dedicated exhaust system that discharges outside the building
- (2) HEPA filtering and direct connection to a return or exhaust duct
- (3) Chemical and thermal sterilization and return to the space

**9.3.10 Emergency Power System Room.**

**9.3.10.1** Heating, cooling, and ventilating of the emergency power system shall be in accordance with NFPA 110.

**9.3.10.2 Maintenance of Temperature.** The EPS shall be heated as necessary to maintain the water jacket temperature determined by the EPS manufacturer for cold start and load acceptance for the type of EPSS. [110:5.3.1]

**9.3.10.3 Heating, Cooling, and Ventilating.**

**9.3.10.3.1\*** With the EPS running at rated load, ventilation airflow shall be provided to limit the maximum air temperature in the EPS room to the maximum ambient air temperature required by the EPS manufacturer. [110:7.7.1]

**9.3.10.3.1.1** Consideration shall be given to all the heat rejected to the EPS equipment room by the energy converter, uninsulated or insulated exhaust pipes, and other heat-producing equipment. [110:7.7.1.1]

**9.3.10.3.2** Air shall be supplied to the EPS equipment for combustion. [110:7.7.2]

**9.3.10.3.2.1** For EPS supplying Level 1 EPSS, ventilation air shall be supplied directly from a source outside of the building by an exterior wall opening or from a source outside the building by a 2-hour fire-rated air transfer system. [110:7.7.2.1]

**9.3.10.3.2.2** For EPS supplying Level 1 EPSS, discharge air shall be directed outside of the building by an exterior wall opening or to an exterior opening by a 2-hour fire-rated air transfer system. [110:7.7.2.2]

**9.3.10.3.2.3** Fire dampers, shutters, or other self-closing devices shall not be permitted in ventilation openings or ductwork for supply or return/discharge air to EPS equipment for Level 1 EPSS. [110:7.7.2.3]

**9.3.10.3.3** Ventilation air supply shall be from outdoors or from a source outside of the building by an exterior wall opening or from

a source outside the building by a 2-hour fire-rated air transfer system. [110:7.7.3]

**9.3.10.3.4** Ventilation air shall be provided to supply and discharge cooling air for radiator cooling of the EPS when running at rated load. [110:7.7.4]

**9.3.10.3.4.1** Ventilation air supply and discharge for radiator cooled EPS shall have a maximum static restriction of 125 Pa (0.5 in.) of water column in the discharge duct at the radiator outlet. [110:7.7.4.1]

**9.3.10.3.4.2** Radiator air discharge shall be ducted outdoors or to an exterior opening by a 2-hour fire rated air transfer switch. [110:7.7.4.2]

**9.3.10.3.5** Motor operated dampers, when used, shall be spring-operated to open and motor-closed. Fire dampers, shutters, or other self-closing devices shall not be permitted in ventilation openings or ductwork for supply or return/discharge air to EPS equipment for Level 1 EPSS. [110:7.7.5]

**9.3.10.3.6** The ambient air temperature in the EPS equipment room or outdoor housing containing Level 1 rotating equipment shall be not less than 4.5°C (40°F). [110:7.7.6]

**9.3.10.3.7** Units housed outdoors shall be heated as specified in 5.3.3 of NFPA 110, *Standard for Emergency and Standby Power Systems*. [110:7.7.7]

**9.3.10.3.8** Design of the HVAC system for the EPS equipment room shall include provision for factors including, but not limited to, the following:

- (1) Heat
- (2) Cold
- (3) Dust
- (4) Snow and ice accumulations around housings
- (5) Louvers
- (6) Remote radiator fans
- (7) Prevailing winds blowing against radiator fan discharge air

**9.3.11 Ventilation During Construction.** Ventilation during construction shall be in accordance with AIA *Guidelines for the Design and Construction of Health Care Facilities*.

**A.9.2** Table A.9.2 represents a typical analysis for a health care facility. The governing body, or its designate, should complete a system analysis based on its functional program. A table similar to Table A.9.2 can be developed to transfer information from the governing body to designers or authorities having jurisdiction, or both.

Table A.9.2 Category Designation by Function — Heating

Function	Category			
	Heating	Cooling	Ventilating	Process
Airborne infection isolation room	2	2	2	NA
Ambulance garage	NA	NA	3	NA
Biomedical waste holding	2	3	2	2
Bone marrow transplants	2	2	1	NA
Burn patient care rooms	2	2	2	NA
Business office/administration	4	4	4	4
Central sterile room	3	2	2	2
Class A surgical procedures	3	3	2	3
Class B surgical procedures	2	2	2	2
Class C surgical procedures	1	1	1	1
Critical care rooms (Category 1 room)	2	2	2	2
Emergency department trauma room	2	2	2	2
Intensive care	2	2	2	2
Medical-gas storage room	2	2	2	NA
Medical records	4	4	4	4
Morgue	3	3	2	NA
Occupation therapy	4	4	4	4
Oxygen transfilling	2	2	2	NA
PACU	2	2	2	2
Patient education	4	4	4	4
Pharmacy	2	2	2	2
Physical therapy	4	4	4	4
Protective environment room	2	2	2	NA
Radiology	2	2	2	2
Speech therapy	4	4	4	4
Waiting rooms	4	4	4	4

NA: Not applicable

Note: This is a sample table. The numbers represented in this table might not be consistent with the health care facility scenario.

**A.9.2.1** There are no interdependencies for each type of system (e.g., medical gas, electrical, potable water, nonpotable water, non-medical compressed air, plumbing). A risk assessment of each system should be conducted to evaluate the risk to the patient, staff, and visitors. It is possible when applying this section to identify multiple categories of systems serving a single patient. For example see Table A.9.2 and A.4.1.

**A.9.3.7.3** Paragraph 9.3.7.3 only covers fluids that are stored in enclosed spaces.

**A.9.3.7.5.1** Table A.9.3.7.5.1 shows the cylinder volumes and weights of typical medical gas cylinders.

**A.9.3.10.3.1** During operation, EPS and related equipment reject considerable heat that needs to be removed by proper ventilation or air-cooling. In some cases, outdoor installations rely on natural air circulation, but enclosed installations need properly sized, properly positioned ventilation facilities, to prevent recirculation of cooling air. The optimum position of air-supply louvers and radiator air discharge is on opposite walls, both to the outdoors. [110: A.7.7.1]

**Table A.9.3.7.5.1 Typical Medical Gas Cylinders' Volume and Weight of Available Contents**  
[All Volumes at 21.1°C (70°F) and 101.325 kPa (14.696 psi)]

Cylinder Style and Dimensions	Nominal Volume L (in. <sup>3</sup> )	Contents	Name of Gas							Mixtures of Oxygen	
			Air	Carbon Dioxide	Helium	Nitrogen	Nitrous Oxide	Oxygen	Helium	CO <sub>2</sub>	
B  8.89 × 33 cm  (3 × 1/2 in. O.D. × 13 in.)	1.43 (87)	kPa (psig)		5778 (838)					13100 (1900)		
		L (ft <sup>3</sup> )		370 (13)					200 (7)		
		Kg (lb-oz)		0.68 (1-8)					—		
D  10.8 × 43 cm  (4 1/2 in. O.D. × 17 in.)	2.88 (176)	kPa (psig)	13100 (1900)	5778 (838)	11032 (1600)	13100 (1900)	5137 (745)	13100 (1900)	*	*	
		L (ft <sup>3</sup> )	375 (13)	940 (33)	300 (11)	370 (13)	940 (33)	400 (14)	300 (11)	400 (14)	
		Kg (lb-oz)	—	1.73 (3-13)	—	—	1.73 (3-13)	—	*	*	
E  10.8 × 66 cm  (4 × 1/4 in. O.D. × 26 in.)	4.80 (293)	kPa (psig)	13100 (1900)	5778 (838)	11032 (1600)	13100 (1900)	5137 (745)	13100 (1900)	*	*	
		L (ft <sup>3</sup> )	625 (22)	1590 (56)	500 (18)	610 (22)	1590 (56)	660 (23)	500 (18)	660 (23)	
		kg (lb-oz)	—	2.92 (6-7)	—	—	2.92 (6-7)	—	*	*	
M  17.8 × 109 cm  (7 in. O.D. × 43 in.)	21.9 (1337)	kPa (psig)	13100 (1900)	5778 (838)	11032 (1600)	15169 (2200)	5137 (745)	15169 (2200)	*	*	
		L (ft <sup>3</sup> )	2850 (101)	7570 (267)	2260 (80)	3200 (113)	7570 (267)	3450 (122)	2260 (80)	3000 (106)	
		Kg (lb-oz)	—	13.9 (30-10)	—	—	13.9 (30-10)	—	*	*	
G  21.6 × 130 cm  (8 1/2 × in. O.D. × 51 in.)	38.8 (2370)	kPa (psig)	13100 (1900)	5778 (838)	11032 (1600)	15169 (2200)	5137 (745)	15169 (2200)	*	*	
		L (ft <sup>3</sup> )	5050 (178)	12300 (434)	4000 (141)	5000 (176)	13800 (487)	6000 (211)	4000 (141)	5330 (188)	
		Kg (lb-oz)	—	22.7 (50-0)	—	—	25.4 (56-0)	—	*	*	
H or K  23.5 × 130 cm  (9 1/4 in. O.D. × 51 in.)	43.6 (2660)	kPa (psig)	15169 (2200)	5778 (838)	15169 (2200)	15169 (2200)	5137 (745)	15169† (2200†)	*	*	
		L (ft <sup>3</sup> )	6550 (231)	15840 (559)	6000 (212)	6400 (226)	15800 (558)	6900 (244)	6000 (212)	15840 (559)	
		Kg (lb-oz)	—	29.1 (64)	—	—	29.1 (64)	—	*	*	

Notes: These are computed contents based on nominal cylinder volumes and rounded to no greater variance than ±1%.

\* The pressure and weight of mixed gases will vary according to the composition of the mixture.

† 275 ft<sup>3</sup>/7800 L cylinders at 2490 psig are available upon request.

Source: *Compressed Gas Association, Inc.*

**Submitter's Substantiation:** Chapter 9, Heating, was returned to the committee at the Association Technical Meeting in June 2011. As a result, there were several ventilation requirements that were deleted but existed in the 2005 edition and are considered necessary by the committee. The requirements for ventilation of rooms transferring or transfilling cylinders and containers with oxygen and smoke removal of windowless anesthetizing rooms needs to be added back into the code to make the document more complete. In addition there are other new ventilation requirements that should also be added back into the code and they include system category criteria, generator ventilation, energy conservation, acoustics, commissioning, waste gas, medical plume evacuation and ventilation during construction. It was stated at the Association Technical Meeting, and agreed upon, that in the event of Chapter 9 being returned, the committee would process a TIA to bring back the necessary language that the committee felt was not controversial and would make the document a more useable code.

**Emergency Nature:** It is important to process the following TIA immediately to correct an omission as NFPA 99 will be incomplete without the requirements for ventilation and HVAC systems in a health care facility. Health care facilities depend on the requirements of NFPA 99 for the various systems such as electrical, medical gas and vacuum, security systems and information systems but the code will be incomplete if the ventilation requirements do not exist, thus leaving the users and designers without any specific guidance. In addition, there were existing requirements that were moved to the proposed new Heating chapter but were eliminated when the chapter was returned to the committee. The elimination of these requirements has left a gap in the standard for the ventilation of rooms used to transfill and transfer oxygen into cylinders and containers. This TIA will correct a situation that has an adverse impact on the safety of patients and staff in health care facilities as well as an adverse impact on the adoption of the code.

## Minutes Available

The NFPA Standards Council met on February 28-March 1, 2011 in San Juan, PR. The minutes are posted on NFPA's website at <http://www.nfpa.org/SC>. A copy of the minutes from this meeting can also be obtained by email at [stds\\_admin@nfpa.org](mailto:stds_admin@nfpa.org) or writing to: Codes and Standards Administration, NFPA, 1 Batterymarch Park, Quincy, MA 02169-7471.

## Coming Events Committee Calendar

### June

- 21-22 Liquefied Petroleum Gas, Huntsville, AL
- 22 Water Tanks, Teleconference/Web Conference
- 23-25 Cultural Resources, Vienna, Austria
- 27 Modeling Task Group, Teleconference/Web Conference
- 27-28 Fire Prevention Organization and Deployment, Nashville, TN
- 28-29 Emergency Medical Services Protective Clothing & Equipment, Quincy, MA

### July

- 12-13 Special Operations Protective Clothing and Equipment, Alexandria, VA
- 12-13 Industrial Trucks, NFPA Headquarters, Quincy, MA
- 13-14 TC Chair Training Forum, NFPA Headquarters, Quincy, MA
- 13-14 Dry and Wet Chemical Extinguishing Systems, Northbrook, IL
- 13-14 Fire Tests, Chicago, IL
- 19-20 Fire Hose, Baltimore, MD
- 19-20 Fire Service Training, Baltimore, MD
- 19-20 Standpipes and Hose Systems, Chicago, IL
- 19-21 Respiratory Protection Equipment, Missoula, MT
- 26-28 Data Exchange for the Fire Service, St Louis, MO
- 26-28 Structural and Proximity Fire Fighting Protective Clothing and Equipment, Providence, RI
- 27-28 Manufactured Housing, Lake Buena Vista, FL
- 27-28 Traffic Control Incident Management Professional Qualifications, Middletown, PA
- 29-30 Rescue Technician Professional Qualifications, Linthicum Heights, MD

### August

- 2 Motion Picture and Television Industry, Los Angeles, CA
- 3-4 Electronic Safety Equipment, Quincy, MA
- 9-11 NFPA Standards Council, NFPA Headquarters, Quincy, MA
- 9-11 Emergency Management and Business Continuity, Quincy, MA
- 11-12 Portable Fire Extinguishers, Irving, TX
- 23-24 Electrical Equipment in Chemical Atmospheres, Baltimore, MD
- 23-25 Electrical Equipment Maintenance, Nashville, TN

### September

- 7-8 Lightning Protection, Quincy, MA
- 12-14 Fire Fighter Professional Qualifications, Nashville, TN
- 19-21 Sprinkler System Installation, Newport Beach, CA
- 22-23 Emergency Medical Services, Minneapolis, MN
- 22-23 Sprinkler System Discharge Criteria, Newport Beach, CA
- 26-27 Residential Sprinkler Systems, Newport Beach, CA
- 27-29 Handling and Conveying of Dusts, Vapors and Gases, Manchester, NH
- 28 Hanging and Bracing of Water Based Fire Protection, Newport Beach, CA
- 28 Fire Doors and Windows, Nashville, TN
- 29 Private Water Supply Piping Systems, Newport Beach, CA

### October

- 3-5 Emergency Power Supplies, Oakbrook Terrace, IL
- 4-5 Pyrotechnics, Minneapolis, MN
- 4-5 Agricultural Dusts, Denver, CO
- 4-6 Hazardous Materials Response Personnel, Fort Lauderdale, FL
- 10-12 Fire Service Occupational Safety and Health, Baltimore, MD
- 12-13 Ambulances, Baltimore, MD
- 17-18 NFPA Standards Council, Savannah, GA
- 21-22 Fire and Emergency Service Organization and Deployment-Volunteer, Nashville, TN
- 25-26 Forest and Rural Fire Protection, Denver, CO

## NFPA Offers Free Live Web Updates Regarding Antifreeze in Sprinkler Systems

The National Fire Protection Association (NFPA) will be offering free live web updates on changes to NFPA sprinkler-related codes. The changes were brought about by [Tentative Interim Amendments \(TIAs\) regarding the use of antifreeze in sprinkler systems.](#)

“Based on recent full scale testing of various antifreeze concentrations in sprinkler systems, NFPA 13, NFPA 13R, NFPA 13D, and NFPA 25 have modified the requirements for antifreeze usage through recently approved TIA’s,” said Matthew Klaus, Senior Fire Protection Engineer, who will host the web updates. “The purpose of these broadcasts is to provide a brief history on the use of antifreeze in sprinkler systems along with an explanation of the new requirements and a discussion of alternatives to antifreeze.

Participants will have an opportunity to ask questions following the presentation.

The update will broadcast on June 28, July 7, and July 19. For more information and to register, visit [www.nfpa.org/antifreeze](http://www.nfpa.org/antifreeze).

## 2012 Annual Revision Cycle Report on Proposals Available

The 2012 Annual Revision Cycle *Report on Proposals*, printed/CD-Rom version, is now available. They contain a compilation of NFPA Technical Committee *Reports on Proposals* for public review and comment. A list of the documents with reports and the action proposed for each document appears below. To obtain a copy of the print/CD-Rom version, complete and return the coupon on the next page.

An electronic copy of the individual documents in the *Report on Proposals* being presented for action is available now. Download the files from NFPA’s Web site at <http://www.nfpa.org/ROPROC>.

The deadline for comments on the 2012 Annual Revision Cycle Report on Proposals is August 30, 2011. Comments must be submitted during the comment period. There are forms for comment in the reports and on the NFPA Web site.

Comments on these reports should be submitted to the Secretary, Standards Council, in the form of proposed amendments, using the form(s) provided in the *Report on Proposals* and on the NFPA Web site, [www.nfpa.org/ROPROC](http://www.nfpa.org/ROPROC). Each comment should be accompanied by supporting data.

Committee actions on all comments received for the 2012 Annual Revision Cycle *Report on Comments* will be available on the NFPA Website <http://www.nfpa.org/ROPROC> or by request in February 2012. Anyone who submits comments will automatically receive a copy of the respective *Report on Comments*.

13	Standard for the Installation of Sprinkler Systems	P
13D	Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes	P
13R	Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height	P
20	Standard for the Installation of Stationary Pumps for Fire Protection	P
24	Standard for the Installation of Private Fire Service Mains and Their Appurtenances	P
51	Standard for the Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied Processes	P
55	Compressed Gases and Cryogenic Fluids Code	P
61	Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities	P
72	National Fire Alarm and Signaling Code	P
80	Standard for Fire Doors and Other Opening Protectives	P
101A	Guide on Alternative Approaches to Life Safety	P
105	Standard for the Installation of Smoke Door Assemblies and Other Opening Protectives	P
110	Standard for Emergency and Standby Power Systems	P
111	Standard on Stored Electrical Energy Emergency and Standby Power Systems	P
291	Recommended Practice for Fire Flow Testing and Marking of Hydrants	P
301	Code for Safety to Life from Fire on Merchant Vessels	P
400	Hazardous Materials Code	P
402	Guide for Aircraft Rescue and Fire-Fighting Operations	P
415	Standard on Airport Terminal Buildings, Fueling Ramp Drainage, and Loading Walkways	P
424	Guide for Airport/Community Emergency Planning	P
450	Guide for Emergency Medical Services and Systems	P
472	Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents	P
473	Standard for Competencies for EMS Personnel Responding to Hazardous Materials/Weapons of Mass Destruction Incidents	P
555	Guide on Methods for Evaluating Potential for Room Flashover	P
654	Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids	P
1001	Standard for Fire Fighter Professional Qualifications	P
1122	Code for Model Rocketry	P
1124	Code for the Manufacture, Transportation, Storage, and Retail Sales of Fireworks and Pyrotechnic Articles	P
1127	Code for High Power Rocketry	P
1128DS	Draft Standard for Standard Method of Fire Test for Flame Breaks	N
1129DS	Draft Standard for Standard Method of Fire Test for Covered Fuse on Consumer Fireworks	N
1144	Standard for Reducing Structure Ignition Hazards from Wildland Fire	P
1221	Standard for the Installation, Maintenance, and Use of Emergency Services Communications Systems	P

1500	Standard on Fire Department Occupational Safety and Health Program	P
1582	Standard on Comprehensive Occupational Medical Program for Fire Departments	P
1801	Standard on Thermal Imagers for the Fire Service	P
1917	Standard for Automotive Ambulance	N
1961	Standard on Fire Hose	P

## Call for Members

The **Committee on Aerosol Extinguishing Technology** is seeking members in all interest categories except Special Experts. This Committee is responsible for NFPA 2010, *Standard for Fixed Aerosol Fire Extinguishing Systems*.

The **Committee on Aerosol Products** is seeking members in all interest categories except Manufacturers. This Committee is responsible for NFPA 30B, *Code for the Manufacture and Storage of Aerosol Products*.

The **Committee on Aircraft and Rescue** is seeking members in all interest categories except consumers and manufacturers. This Committee is responsible for NFPA 403, *Standard for Aircraft Rescue and Fire-Fighting Services at Airports*, 405 *Standard for the Recurring Proficiency of Airport Fire Fighters*, 408 *Standard for Aircraft Hand Portable Fire Extinguishers*, 412 *Standard for Evaluating Aircraft Rescue and Fire-Fighting Foam Equipment*, 414 *Standard for Aircraft Rescue and Fire-Fighting Vehicles*, 422 *Guide for Aircraft Accident/Incident Response Assessment*, and 424 *Guide for Airport/Community Emergency Planning*.

The **Committee on Aircraft Maintenance Operations** is seeking members in all interest categories. This Committee is responsible for NFPA 410, *Standard on Aircraft Maintenance*.

The **Committee on Animal Housing Facilities** is seeking members in all interest categories except Users. This Committee is responsible for NFPA 150, *Standard on Fire and Life Safety in Animal Housing Facilities*.

The **Committee on Boiler Combustion System Hazards—Fluidized Bed Boilers** is seeking members in all interest categories except Manufacturers. This Committee is responsible for Chapter 7 in NFPA 85, *Boiler and Combustion Systems Hazards Code*.

The **Committee on Boiler Combustion System Hazards—Fundamentals** is seeking members in all interest categories except Manufacturers and Special Experts. This Committee is responsible for Chapters 1,2,3, and 4 in NFPA 85, *Boiler and Combustion Systems Hazards Code*.

The **Committee on Boiler Combustion System Hazards—Heat Recovery Steam Generators** is seeking members in all interest categories except Manufacturers and Special Experts. This Committee is responsible for Chapter 8 in NFPA 85, *Boiler and Combustion Systems Hazards Code*.

The **Committee on Boiler Combustion System Hazards—Pulverized Fuel Systems** is seeking members in all interest categories except Special Experts. This Committee is responsible for Chapter 9 in NFPA 85, *Boiler and Combustion Systems Hazards Code*.

The **Committee on Boiler Combustion System Hazards—Single Burner Boilers** is seeking members in all interest categories except Manufacturers. This Committee is responsible for Chapter 5 in NFPA 85, *Boiler and Combustion Systems Hazards Code*.

The **Committee on Boiler Combustion System Hazards—Stoker Operations** is seeking members in all interest categories except Special Experts and Users. This Committee is responsible for stoker material, Chapter 10 in NFPA 85, *Boiler and Combustion Systems Hazards Code*.

The **Committee on Building Code—Board and Care Facilities** is seeking members in all interest categories except Special Experts. This Committee is responsible for Chapter 26 in NFPA 5000®, *Building Construction and Safety Code*®.

The **Committee on Building Code—Building and Construction** is seeking members in all interest categories. This Committee is

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responsible for Chapter 7, Sections 8.3, 8.4 and Annex D in NFPA 5000®, *Building Construction and Safety Code*®.

The **Committee on Building Code—Building Service and Fire Protection Equipment** is seeking members in all interest categories. This Committee is responsible for Chapter 55 in NFPA 5000®, *Building Construction and Safety Code*®.

The **Committee on Building Code—Building Systems** is seeking members in all interest categories. This Committee is responsible for Chapter 12, Chapters 49-54, and Annex B in NFPA 5000®, *Building Construction and Safety Code*®.

The **Committee on Building Code—Detention and Correctional Occupancies** is seeking members in all interest categories except Special Experts. This Committee is responsible for Chapter 21 in NFPA 5000®, *Building Construction and Safety Code*®.

The **Committee on Building Code—Educational and Day-Care** is seeking members in all interest categories except Special Experts. This Committee is responsible for Chapters 17 and 18 in NFPA 5000®, *Building Construction and Safety Code*®.

The **Committee on Building Code—Fire Protection Features** is seeking members in all interest categories except Manufacturers. This Committee is responsible for Chapter 8 in NFPA 5000®, *Building Construction and Safety Code*®.

The **Committee on Building Code—Fundamentals** is seeking members in all interest categories. This Committee is responsible for Chapters 1-6 and 13-15 in NFPA 5000®, *Building Construction and Safety Code*®.

The **Committee on Building Code—Furnishings and Contents** is seeking members in all interest categories except Special Experts. This Committee is responsible for Chapter 10 in NFPA 5000®, *Building Construction and Safety Code*®.

The **Committee on Building Code—Health Care Occupancies** is seeking members in all interest categories except Enforcing Authorities and Users. This Committee is responsible for Chapters 19-20 in NFPA 5000®, *Building Construction and Safety Code*®.

The **Committee on Building Code—Industrial, Storage, and Misc Occupancies** is seeking members in all interest categories except Users. This Committee is responsible for Chapters 29-31 and 33-34 in NFPA 5000®, *Building Construction and Safety Code*®.

The **Committee on Building Code—Mercantile and Business Occupancies** is seeking members in all interest categories. This Committee is responsible for Chapters 27 and 28 in NFPA 5000®, *Building Construction and Safety Code*®.

The **Committee on Building Code—Residential Occupancies** is seeking members in all interest categories. This Committee is responsible for Chapters 22-25 in NFPA 5000®, *Building Construction and Safety Code*®.

The **Committee on Building Code—Structures, Construction and Materials** is seeking members in all interest categories except Manufacturers and Insurance. This Committee is responsible for

Chapter 32 and Chapters 25-48 in NFPA 5000®, *Building Construction and Safety Code*®.

The **Committee on Classification and Properties of Hazardous Chemical Data** is seeking members in all interest categories except Special Experts. This Committee is responsible for NFPA 704, *Standard System for the Identification of the Hazards of Materials for Emergency Response*.

The **Committee on Combustible Metals and Metal Dusts** is seeking members in all interest categories except Users. This Committee is responsible for NFPA 484, *Standard for Combustible Metals*.

The **Committee on Confined Space Safe Work Practices** is seeking members in all interest categories except Users. Manufacturers are especially in need.

The **Committee on Construction and Demolition** is seeking members in all interest categories except Enforcing Authorities. This Committee is responsible for NFPA 241, *Standard for Safeguarding Construction, Alteration, and Demolition Operations*.

The **Committee on Data Exchange for the Fire Service** is seeking members in all interest categories except Users.

The **Correlating Committee on Combustible Dusts** is seeking members in all interest categories.

The **Committee on Fundamentals of Combustible Dusts** is seeking members in all interest categories.

The **Committee on Electrical Equipment in Chemical Atmospheres** is seeking members in all interest categories except Special Experts and Users. This Committee is responsible for NFPA 496, *Standard for Purged and Pressurized Enclosures for Electrical Equipment*; NFPA 497, *Recommended Practice for the Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas*; and NFPA 499, *Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas*.

The **Committee on Electronic Computer Systems** is seeking members in all interest categories except Special Experts and Manufacturers. This Committee is responsible for NFPA 75, *Standard for the Protection of Information Technology Equipment*.

The **Committee on Emergency Medical Services** is seeking individuals in the following interest categories: Labor, Insurance, and Manufacturers. This Committee is responsible for NFPA 450, *Guide for Emergency Medical Services and Systems*.

The **Committee on Emergency Services Organization Risk Management** is seeking individuals in all categories except Enforcing Authorities and Special Experts. This Committee is responsible for NFPA 1201, *Standard for Providing Emergency Services to the Public* and NFPA 1250, *Recommended Practice in Emergency Service Organization Risk Management*.

The **Committee on Explosives** is seeking members in all interest categories except Manufacturers and Special Experts. This Committee is responsible for NFPA 495, *Explosive Materials Code* and

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NFPA 498, *Standard for Safe Havens and Interchange Lots for Vehicles Transporting Explosives*.

The **Committee on Exposure Fire Protection** is seeking members in all interest categories except Manufacturers and Special Experts. This Committee is responsible for NFPA 80A, *Recommended Practice for Protection of Buildings from Exterior Fire Exposures*.

The **Committee on Fire and Emergency Service Organization and Deployment—Volunteer** is seeking members in all interest categories except Enforcing Authorities. This Committee is responsible for NFPA 1720, *Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Volunteer Fire Departments*.

The **Committee on Fire and Emergency Services Protective Clothing and Equipment—Electronic Safety Equipment** is seeking members in all interest categories except Manufacturers. This Committee is responsible for NFPA 1800, *Standard on Electronic Safety Equipment for Emergency Services* (Proposed); NFPA 1801, *Standard on Thermal Imagers for the Fire Service*; and NFPA 1882, *Standard on Personal Alert Safety Systems (PASS)*.

The **Committee on Fire and Emergency Services Protective Clothing and Equipment—Emergency Medical Services Protective Clothing and Equipment** is seeking members in all interest categories except Manufacturers. This Committee is responsible for NFPA 1999, *Standard on Protective Clothing for Emergency Medical Operations*.

The **Committee on Fire and Emergency Services Protective Clothing and Equipment—Hazardous Materials Protective Clothing and Equipment** is seeking members in the following interest categories: Consumers, Enforcing Authorities, Labor, Special Experts and Users. This Committee is responsible for NFPA 1991, *Standard on Vapor-Protective Ensembles for Hazardous Materials Emergencies*; NFPA 1992, *Standard on Liquid Splash-Protective Ensembles and Clothing for Hazardous Materials Emergencies*; and NFPA 1994, *Standard on Protective Ensembles for First Responders to CBRN Terrorism Incidents*.

The **Committee on Fire and Emergency Services Protective Clothing and Equipment—Special Operations Protective Clothing and Equipment** is seeking members in all interest categories except Manufacturer and Users. This Committee is particularly seeking members with expertise in contaminated water operations protective clothing and equipment. This Committee is responsible for NFPA 1951, *Standard on Protective Ensemble for Technical Rescue Incidents*; NFPA 1952, *Standard on Surface Water Operations Protective Clothing and Equipment*; NFPA 1975, *Station/Work Uniforms for Fire and Emergency Services*; and NFPA 1983, *Standard on Life Safety Rope and Equipment for Emergency Services*.

The **Committee on Wildland Fire Fighting Protective Clothing and Equipment** is seeking members in all interest categories. This Committee is responsible for NFPA 1977, *Standard on Protective Clothing and Equipment for Wildland Fire Fighting*.

The **Committee on Fire Department Rescue Tools** is seeking members in all interest categories except Manufacturers and Users.

This Committee is responsible for NFPA 1936, *Standard on Powered Rescue Tools*.

The **Committee on Fire Department Ground Ladders** is seeking members in all interest categories. This Committee is responsible for Chapters in NFPA 1931, *Standard for Manufacturer's Design of Fire Department Ground Ladders* and NFPA 1932, *Standard on Use, Maintenance, and Service Testing of In-Service Fire Department Ground Ladders*.

The **Committee on Fire Department Rescue Tools** is seeking members in all interest categories except Manufacturers and Users. This Committee is responsible for NFPA 1936, *Standard on Powered Rescue Tools*.

The **Committee on Fire Doors and Windows** is seeking members in all interest categories except Manufacturers. This Committee is responsible for Chapters in NFPA 105, *Standard for Smoke Door Assemblies and Other Opening Protectives* and NFPA 80, *Fire Doors and Other Opening Protectives*.

The **Committee on Fire Hose** is seeking members from all interest categories except Manufacturers and Users. This Committee is responsible for NFPA 1961, *Standard on Fire Hose*; NFPA 1962, *Standard for the Inspection, Care, and Use of Fire Hose, Couplings, and Nozzles and the Service Testing of Fire Hose*; NFPA 1963, *Standard for Fire Hose Connections*; NFPA 1964, *Standard for Spray Nozzles*; and NFPA 1965, *Standard for fire Hose Appliances*.

The **Committee on Fire Prevention Organization and Deployment** is seeking members from all interest categories. This Committee shall have primary responsibility for documents on the organization, operation, deployment and evaluation of code enforcement, public fire and life safety education and fire investigation operations.

The **Committee on Fire Reporting** is seeking members in all interest categories. This Committee is responsible for NFPA 901, *Standard Classifications for Incident Reporting and Fire Protection Data*.

The **Committee on Fire Risk Assessment Methods** is seeking members in all interest categories except Special Experts. This Committee is responsible for NFPA 550, *Guide to the Fire Safety Concepts Tree* and NFPA 551, *Guide for the Evaluation of Fire Risk Assessments*.

The **Committee on Fire Safety and Emergency Symbols** is seeking members in all interest categories except Special Experts. This Committee is responsible for NFPA 170, *Standard for Fire Safety and Emergency Symbols*.

The **Committee on Fire Tests** is seeking members in all interest categories except Manufacturers and Special Experts. This Committee is responsible for NFPA 251, *Standard Methods of Tests of Fire Resistance of Building Construction and Materials*; NFPA 252, *Standard Methods of Fire Tests of Door Assemblies*; NFPA 253, *Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source*; NFPA 257, *Standard on Fire Test for Window and Glass Block Assemblies*;

NFPA 259, *Standard Test Method for Potential Heat of Building Materials*; NFPA 260, *Standard Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture*; NFPA 261, *Standard Method of Test for Determining Resistance of Mock-Up Upholstered Furniture Material Assemblies to Ignition by Smoldering Cigarettes*; NFPA 262, *Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-Handling Spaces*; NFPA 265, *Standard Methods of Fire Tests for Evaluating Room Fire Growth Contribution of Textile Coverings on Full Height Panels and Walls*; NFPA 268, *Standard Test Method for Determining Ignitibility of Exterior Wall Assemblies Using a Radiant Heat Energy Source*; NFPA 269, *Standard Test Method for Developing Toxic Potency Data for Use in Fire Hazard Modeling*; NFPA 270, *Standard Test Method for Measurement of Smoke Obscuration Using a Conical Radiant Source in a Single Closed Chamber*; NFPA 271, *Standard Method of Test for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter*; NFPA 273, *Standard Method of Test for Determining the Degrees of Combustibility of Building Materials* (Proposed); NFPA 274, *Standard Test Method to Evaluate Fire Performance Characteristics of Pipe Insulation*; NFPA 275, *Standard Method of Fire Tests for the Evaluation of Thermal Barriers Used Over Foam Plastic Insulation*; NFPA 276, *Standard Method of Fire Tests for Determining the Heat Release Rate of Roofing Assemblies with Combustible Above-Deck Roofing Components* (Proposed); NFPA 284, *Standard Test Method for Mattresses for Correctional Occupancies* (Proposed); NFPA 285, *Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components*; NFPA 286, *Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth*; NFPA 287, *Standard Test Methods for Measurement of Flammability of Materials in Cleanrooms Using a Fire Propagation Apparatus* (FPA); NFPA 288, *Standard Methods of Fire Tests of Floor Fire Door Assemblies Installed Horizontally in Fire Resistance-Rated Floor Systems*; NFPA 289, *Standard Method of Fire Test for Individual Fuel Packages*; NFPA 290, *Standard for Fire Testing of Passive Protection Materials for Use on LP-Gas Containers*; NFPA 701, *Standard Methods of Fire Tests for Flame Propagation of Textiles and Films*; and NFPA 705, *Recommended Practice for a Field Flame Test for Textiles and Films*.

The **Correlating Committee on Flammable and Combustible Liquids** is seeking members in all categories except Special Expert, and particularly interested in manufacturers of containers and tanks. This Correlating Committee is responsible for NFPA 30, *Flammable and Combustible Liquids Code*.

The **Committee on Flammable and Combustible Liquids-Fundamentals** is seeking members in the interest categories of Enforcers and Users. This Committee is responsible for Chapters in NFPA 30, *Flammable and Combustible Liquids Code*.

The **Committee on Flammable and Combustible Liquids – Tank Storage and Piping Systems** is seeking members in the interest categories of Manufacturer – storage tank vaults. This Committee is responsible for Chapters in NFPA 30, *Flammable and Combustible Liquids Code*.

The **Committee on Flash Fire Protective Garments** is seeking members in all interest categories except Manufacturers. This Com-

mittee is responsible for NFPA 2112, *Standard on Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire*, and NFPA 2113, *Standard on Selection, Care, Use, and Maintenance of Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire*.

The **Committee on Fluid Heaters** is seeking members in all interest categories. This Committee is responsible for NFPA 87, *Recommended Practice for Fluid Heaters*.

The **Committee on Forest and Rural Fire Protection** is seeking members in all interest categories except Special Experts. This Committee is responsible for NFPA 1141, *Standard for Fire Protection Infrastructure for Land Development in Suburban and Rural Areas*; NFPA 1142, *Standard on Water supplies for Suburban and Rural Fire Fighting*; NFPA 1143, *Standard for Wildland Fire Management*; NFPA 1144, *Standards for Reducing Structure Ignition Hazards from Wildland Fire*; NFPA 1145, *Guide for the Use of Class A Foams in Manual Structural Fire Fighting*; and NFPA 1150, *Standard on Foam Chemicals for Fires in Class A Fuels*.

The **Committee on Garages and Parking Structures** is seeking members in all interest categories except Manufacturers and Users. This Committee is responsible for NFPA 88A, *Standard for Parking Structures*.

The **Committee on Gas Hazards** is seeking members in all interest categories. This Committee is responsible for NFPA 306, *Standard for the Control of Gas Hazards on Vessels*.

The **Committee on Hazard and Risk of Contents and Furnishings** is seeking members in all interest categories except Research/ Testing Laboratories and Special Experts. This Committee is responsible for NFPA 555, *Guide on Methods for Evaluating Potential for Room Flashover*, NFPA 556, *Guide on Methods for Evaluating Fire Hazard to Occupants of Passenger Road Vehicles*, and NFPA 557, *Standard for Determination of Fire Load for Use in Structural Fire Protection Design*.

The **Committee on Health Care Facilities—Fundamentals** is seeking members for all interest categories except Special Experts. This Committee is responsible for Chapters 1,2,3 and 7 in NFPA 99, *Standard for Health Care Facilities*

The **Committee on Health Care Facilities—Emergency Management and Security** is seeking members for all interest categories except Users. This Committee is responsible for Chapter 12 in NFPA 99, *Standard for Health Care Facilities*.

The **Committee on Health Care Facilities—Hyperbaric and Hypobaric Facilities** is seeking members for all interest categories except Users. This Committee is responsible for Chapter 20 in NFPA 99, *Standard for Health Care Facilities* and NFPA 99B, *Standard for Hypobaric Facilities*.

The **Committee on Health Care Facilities—Mechanical Systems** is seeking members for all interest categories except Special Experts and Manufacturers. This Committee is responsible for Chapter 6 in NFPA 99, *Standard for Health Care Facilities*.

The **Committee on Health Care Facilities—Medical Equipment** is seeking members for all interest categories except Special

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Experts. This Committee is responsible for Chapters 8, 9 and 10 in NFPA 99, *Standard for Health Care Facilities*.

The **Committee on Helicopter Facilities** is seeking members in all interest categories except Special Experts. This Committee is responsible for NFPA 418, *Standard for Heliports*.

The **Committee on Hot Works Operations** is seeking members in all interest categories except Insurers and Special Experts. This Committee is responsible for NFPA 51B, *Standard for Fire Prevention During Welding, Cutting, and Other Hot Work*.

The **Committee on Incinerators and Waste Handling Systems** is seeking members in all interest categories except Manufacturers and Special Experts. This Committee is responsible for NFPA 82, *Standard on Incinerators and Waste and Linen Handling Systems and Equipment*.

The **Committee on Industrial and Medical Gases** is seeking members in all interest categories. This Committee is responsible for NFPA 51, *Standard for the Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied Processes*; NFPA 51A, *Standard for Acetylene Cylinder Charging Plants*; NFPA 55, *Standard for the Storage, Use, and Handling of Compressed Gases and Cryogenic Fluids in Portable and Stationary Containers, Cylinders, and Tanks*; and NFPA 560, *Standard for the Storage, Handling, and Use of Ethylene Oxide for Sterilization and Fumigation*.

The **Committee on Industrial Trucks** is seeking members in all interest categories except Manufacturers. This Committee is responsible for NFPA 505, *Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operation*.

The **Technical Committee on Internal Combustion Engines** is seeking members in the interest categories of Enforcer, Insurer, and User. This Committee is responsible for NFPA 37, *Standard for the Installation and Use of Stationary Combustion Engines and Gas-Turbines*.

The **Committee on Laser Fire Protection** is seeking members in all interest categories except Special Experts. This Committee is responsible for NFPA 115, *Standard for Laser Fire Protection*.

The **Committee on Liquid Fuel Burning Equipment** is seeking members in the interest categories of Insurer and User. This Committee is responsible for NFPA 31, *Standard for the Installation of Oil-Burning Equipment*.

The **Committee on Loss Prevention Procedures and Practices** is seeking members in all interest categories. This Committee is responsible for NFPA 600, *Standard on Industrial Fire Brigades*; and NFPA 601, *Standard for Security Services in Fire Loss Prevention*.

The **Committee on LP-Gases at Utility Gas Plants** is seeking members in all interest categories except Users. This Committee is responsible for NFPA 59, *Utility LP-Gas Plant Code*.

The **Committee on Manufacture of Organic Coatings** is seeking members in all interest categories except Manufacturer and Special

Expert. This Committee is responsible for NFPA 35, *Standard for the Manufacture of Organic Coatings*.

The **Committee on Manufactured Housing** is seeking members in all interest categories except Enforcing Authorities. This Committee is responsible for NFPA 501, *Standard on Manufactured Housing*; NFPA 501A, *Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities*; and NFPA 225, *Model Manufactured Home Installation Standard*.

The **Committee on Marinas and Boatyards** is seeking members in all interest categories. This Committee is responsible for NFPA 303, *Fire Protection Standard for Marinas and Boatyards*.

The **Committee on Marine Fire-Fighting Vessels** is seeking members in all interest categories except Manufacturers and Special Experts. This Committee is responsible for NFPA 1925, *Standard on Marine Fire Fighting Vessels*.

The **Committee on Marine Terminals** is seeking members in all interest categories except Special Experts and Insurance. This Committee is responsible for NFPA 307, *Standard for the Construction and Fire Protection of Marine Terminals, Piers, and Wharves*.

The **Committee on Merchant Vessels** is seeking members from the commercial fishing industry and towing vessel industry. This Committee is responsible for NFPA 301, *Code for Safety to Life from Fire on Merchant Vessels*.

The **Committee on Mining Facilities** is seeking members in the following interest categories: Special Expert and Manufacturers, specifically the Manufacturers of mining equipment. This Committee is responsible for NFPA 120, *Standard for Fire Prevention and Control in Coal Mines*; and NFPA 122, *Standard for Fire Prevention and Control in Metal/Nonmetal Mining and Metal Mineral Processing Facilities*.

The **Committee on Motion Picture and Television Industry** is seeking member in all interest categories except Special Experts. This Committee is responsible for NFPA 140, *Standard on Motion Picture and Television Production Studio Soundstages, Approved Production Facilities, and Production Locations*.

The **Committee on Motor Craft** is seeking members in all interest categories except for Special Experts. This Committee is responsible for NFPA 302, *Fire Protection Standard for Pleasure and Commercial Motor Craft*.

The **Committee on Oxygen Enriched Atmospheres** is seeking members in all interest categories except for Special Experts and Users. This Committee is responsible for NFPA 53, *Recommended Practice on Materials, Equipment and Systems Used in Oxygen-Enriched Atmospheres*.

The **Committee on Organization and Deployment of Fire Prevention Activities** is seeking members in all interest categories except Enforcing Authorities. This Committee is responsible for a new document on the organization, operation, deployment and evaluation of code enforcement, public fire and life safety education and fire investigation operations.

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The **Committee on Portable Fire Extinguishers** is seeking members the interest category of Enforcers. This Committee is responsible for NFPA 10, *Standard for Portable Fire Extinguishers*.

The **Committee on Professional Qualifications—Accreditation and Certification to Fire Service Professional Qualifications** is seeking members in all interest categories. This Committee is responsible for NFPA 1000, *Standard for Fire Service Professional Qualifications Accreditation and Certification Systems*.

The **Committee on Professional Qualifications—Emergency Vehicle Mechanic Technicians Professional Qualifications** is seeking members in all interest categories. This Committee is responsible for NFPA 1071, *Standard for Emergency Vehicle Technician Professional Qualifications*.

The **Committee on Professional Qualifications—Fire Fighter Professional Qualifications** is seeking members in all interest categories. This Committee is responsible for NFPA 1001, *Standard for Fire Fighter Professional Qualifications*; NFPA 1002, *Standard for Fire Apparatus Driver/Operator Professional Qualifications*; NFPA 1003, *Standard for Airport Fire Fighter Professional Qualifications*; and NFPA 1005, *Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters*.

The **Committee on Professional Qualifications—Fire Inspector Professional Qualifications** is seeking members in all interest categories. This Committee is responsible for NFPA 1031, *Standard for Professional Qualifications for Fire Inspector and Plan Examiner*.

The **Committee on Professional Qualifications—Fire Investigator Professional Qualifications** is seeking members in all interest categories except Users. This Committee is responsible for NFPA 1033, *Standard for Professional Qualifications for Fire Investigator*.

The **Committee on Professional Qualifications—Fire Marshal Professional Qualifications** is seeking members in all interest categories except Users, Consumers and Special Experts. This Committee is responsible for NFPA 1037, *Standard for Professional Qualifications for Fire Marshal*.

The **Committee on Professional Qualifications—Fire Officer Professional Qualifications** is seeking members in all interest categories except Users. This Committee is responsible for NFPA 1021, *Standard for Fire Officer Professional Qualifications*.

The **Committee on Professional Qualifications—Fire Service Instructor Professional Qualifications** is seeking members in all interest categories except Users and Special Experts. This Committee is responsible for NFPA 1041, *Standard for Fire Service Instructor Professional Qualifications*.

The **Committee on Professional Qualifications—Industrial Fire Brigades Professional Qualifications** is seeking members in all interest categories except Users and Special Experts. This Committee is responsible for NFPA 1081, *Standard for Industrial Fire Brigade Member Professional Qualifications*.

The **Committee on Professional Qualifications—Public Fire Educator Professional Qualifications** is seeking members in all

interest categories except Users and Special Experts. This Committee is responsible for NFPA 1035, *Standard for Professional Qualifications for Public Fire and Life Safety Educator*.

The **Committee on Professional Qualifications—Public Safety Telecommunicator Professional Qualifications** is seeking members in all interest categories except Users. This Committee is responsible for NFPA 1061, *Standard for Professional Qualifications for Public Safety Telecommunicator*.

The **Committee on Professional Qualifications—Rescue Technician Professional Qualifications** is seeking members in all categories except Labor, Users and Special Experts. This Committee is responsible for NFPA 1006, *Standard for Technical Rescue Professional Qualifications*.

The **Committee on Professional Qualifications—Wildfire Suppression Professional Qualifications** is seeking members in all categories except Special Experts. This Committee is responsible for NFPA 1051, *Standard for Wildland Fire Fighter Professional Qualifications*.

The **Committee on Public Emergency Service Communication** is seeking members all interest categories except Users and Special Experts. This Committee is responsible for NFPA 1221, *Standard for the Installation, Maintenance, and Use of Emergency Services Communications Systems*.

The **Committee on Recreational Vehicles** is seeking members in all interest categories except Manufacturers. This Committee is responsible for Chapters in NFPA 1192, *Standard on Recreational Vehicles* and NFPA 1194, *Standard for Recreational Vehicle Parks and Campgrounds*.

The **Committee on Risk Management** is seeking members in all interest categories. This Committee is responsible for NFPA 1201, *Standard for Providing Emergency Services to the Public* and NFPA 1250, *Recommended Practice in Emergency Service Organization Risk Management*.

The **Committee on Road Tunnel and Highway Fire Protection** is seeking members in all interest categories except Special Experts. This Committee is responsible for NFPA 502, *Standard for Road Tunnels, Bridges, and Other Limited Access Highways*.

The **Committee on Safety to Life—Alternative Approaches to Life Safety** is seeking members in all interest categories except Special Experts. This Committee is responsible for Chapters in NFPA 101A, *Guide on Alternative Approaches to Life Safety*.

The **Committee on Safety to Life—Board and Care Facilities** is seeking members in all interest categories except Special Experts. This Committee is responsible for Chapters 32 and 33 in NFPA 101®, *Life Safety Code*®.

The **Committee on Safety to Life—Building Service and Fire Protection Equipment** is seeking members in all interest categories. This Committee is responsible for Chapter 9 in NFPA 101®, *Life Safety Code*®.

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The **Committee on Safety to Life—Detection and Correctional Occupancies** is seeking members in all interest categories except Special Experts. This Committee is responsible for Chapters 22 and 23 in NFPA 101®, *Life Safety Code*®.

The **Committee on Safety to Life—Educational and Day Care Occupancies** is seeking members in all interest categories except Special Experts. This Committee is responsible for Chapters 14-17 in NFPA 101®, *Life Safety Code*®.

The **Committee on Safety to Life—Fire Protection Features** is seeking members in all interest categories except Manufacturers. This Committee is responsible for Chapter 8 in NFPA 101®, *Life Safety Code*®.

The **Committee on Safety to Life—Fundamentals** is seeking members in all interest categories. This Committee is responsible for Chapters 1-6, Section 11.8 and 43 in NFPA 101®, *Life Safety Code*®.

The **Committee on Safety to Life—Furnishings and Contents** is seeking members in all interest categories except Special Experts. This Committee is responsible for Chapter 10 in the NFPA 101®, *Life Safety Code*®.

The **Committee on Safety to Life—Health Care Occupancies** is seeking members in all interest categories except Enforcing Authorities and Users. This Committee is responsible for Chapters 18-21 in NFPA 101®, *Life Safety Code*®.

The **Committee on Safety to Life—Industrial Storage and Miscellaneous Occupancies** is seeking members in all interest categories except Users. This Committee is responsible for Chapters 11, 40 and 42 in NFPA 101®, *Life Safety Code*®.

The **Committee on Safety to Life—Mercantile and Business Occupancies** is seeking members in all interest categories. This Committee is responsible for Chapters 36-39 in NFPA 101®, *Life Safety Code*®.

The **Committee on Safety to Life—Residential Occupancies** is seeking members in all interest categories. This Committee is responsible for Chapters 24, 26 and 28-31 in NFPA 101®, *Life Safety Code*®.

The **Committee on Safety at Motorsports Venues** is seeking members in all interest categories. This Committee is responsible for NFPA 610, *Guide for Emergency and Safety Operations at Motorsports Venues*.

The **Committee on Shipbuilding, Repair, and Lay-Up** is seeking members in all interest categories except Insurance. This Committee is responsible for NFPA 312, *Standard for Fire Protection of Vessels During Construction, Conversion, Repair, and Lay-Up*.

The **Committee on Signaling Systems—Notification Appliances for Fire Alarm Systems** is seeking members in all categories except Manufacturers and Special Experts. This Committee is responsible for Chapter 18 and Annex F in NFPA 72®, *National Fire Alarm Code*®.

The **Committee on Signaling Systems—Public Fire Reporting Systems** is seeking members in all categories except Manufacturers, Special Experts, Installers/Maintainers and Users. This Committee is responsible for Chapter 27 in NFPA 72®, *National Fire Alarm Code*®.

The **Committee on Smoke Management Systems** is seeking members in all interest categories except Manufacturers and Special Experts. This Committee is responsible for Chapters in NFPA 204, *Standard for Smoke and Heat Venting*, NFPA 92A, *Standard for Smoke-Control Systems Utilizing Barriers and Pressure Differences*, and NFPA 92B, *Standard for Smoke Management Systems in Malls, Atria, and Large Spaces*.

The **Committee on Solvent Extraction Plants** is seeking members in all interest categories except Special Expert and User. This Committee is responsible for NFPA 36, *Standard for Solvent Extraction Plants*.

The **Committee on Standpipes** is seeking members in all interest categories except Installer/Maintainers. This Committee is responsible for NFPA 14, *Standard for the Installation of Standpipe and Hose Systems*.

The **Committee on Static Electricity** is seeking members in the interest categories of Enforcer, Insurer, and Research/ Testing. This Committee is responsible for NFPA 77, *Recommended Practice on Static Electricity*.

The **Committee on Subterranean Spaces** is seeking members in all categories except Special Experts and Users. This Committee is responsible for NFPA 520, *Standard on Subterranean Spaces*.

The **Committee on Tank Leakage and Repair Safeguards** is seeking members in the interest categories of Insurer, Installer/Maintainer, and Manufacturer. This Committee is responsible for NFPA 326, *Standard for the Safeguarding of Tanks and Containers for Entry, Cleaning, or Repair*, and NFPA 329, *Recommended Practice for Handling Releases of Flammable and Combustible Liquids and Gases*.

The **Committee on Technical Rescue** is seeking members in all interest categories except Special Experts. This Committee is responsible for NFPA 1670, *Standard on Operations and Training for Technical Search and Rescue Incidents*.

The **Committee on Telecommunications** is seeking members in the Users category, specifically from the cable industry. The Committee is responsible for NFPA 76, *Standard for the Fire Protection of Telecommunications Facilities*.

The **Committee on Textile and Garment Care Processes** is seeking members in all interest categories except Manufacturers and Users. This Committee is responsible for NFPA 32, *Standard for Drycleaning Plants*.

The **Committee on Traffic Control Incident Management Professional Qualifications** is seeking members in all interest categories. This committee shall have jurisdiction over documents that address professional qualifications for emergency responders in relation to their operations on roadways.

The **Committee on Transportation of Flammable Liquids** is seeking members in all interest categories. This Committee is responsible for NFPA 385, *Standard for Tank Vehicles for Flammable and Combustible Liquids*.

The **Committee on Vehicular Alternative Fuel Systems** is seeking members in the interest category of Enforcing Authorities and Insurance. This Committee is responsible for NFPA 52, *Vehicular Fuel Systems Code*.

The **Committee on Wastewater Treatment Plants** is seeking members in all interest categories except Special Experts. This Committee is responsible for NFPA 820, *Standard for Fire Protection in Wastewater Treatment and Collection Facilities*.

The **Committee on Water Additives for Fire Control and Vapor Mitigation** is seeking members in the all interest categories except Manufacturers. This Committee is responsible for NFPA 18, *Standard on Wetting Agents*; and NFPA 18A, *Standard on Water Additives for Fire Control and Vapor Mitigation*.

The **Committee on Water-Cooling Towers** is seeking members in all interest categories except Manufacturers and Special Experts. This Committee is responsible for NFPA 214, *Standard on Water-Cooling Towers*.

The **Committee on Water Spray Fixed Systems** is seeking members in all interest categories. This Committee is responsible for NFPA 15, *Standard for Water Spray Fixed Systems for Fire Protection*.

The **Committee on Water Tanks** is seeking members in all interest categories except Manufacturers and Special Experts. This Committee is responsible for NFPA 22, *Standard for Water Tanks for Private Fire Protection*.

The **Committee on Wood and Cellulosic Materials Processing** is seeking members in the interest categories of Enforcing Authorities and Users. This Committee is responsible for NFPA 664, *Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities*.

Anyone interested in serving on one of these committees or on any NFPA technical committee can download a technical committee application from NFPA's website at <http://www.nfpa.org/codesTC>; by email at [committeeapplication@nfpa.org](mailto:committeeapplication@nfpa.org); or by a written request to: Codes and Standards Administration, NFPA, 1 Batterymarch Park, Quincy, MA 02169-7471. The application deadline for the October 2011 Standards Council meeting is August 12, 2011.

## Committees Soliciting Proposals

The committees for the following documents are planning to begin preparation of their reports. In accordance with the Regulations Governing Committee Projects, committees are now accepting proposals for recommendations on content for the documents listed below. Proposals received by 5:00 p.m. ET on the closing date indicated will be acted on by the committee, and that action will be published in the committee's report. Proposals must be submitted to Codes and Standards Administration on proposal forms which are available in the back of all NFPA documents or from NFPA headquarters. (NOTE: For information on specific committee meeting dates, contact Codes and Standards Administration, NFPA.) Copies of **new document** drafts are available by email at [stds\\_admin@nfpa.org](mailto:stds_admin@nfpa.org) or from Codes and Standards Administration, NFPA, 1 Batterymarch Park, Quincy, MA 02169-7471, or they may be downloaded from NFPA's website at <http://www.nfpa.org/codelist>. If you need a current edition of a document, please contact NFPA, Fulfillment Center, 11 Tracy Drive, Avon, MA 02322, or call 800-344-3555.

† Change in proposal closing date or cycle

P\* Indicates proposed document

Document No./Edition	Title	Proposal Closing Date	Meeting Reporting
NFPA 69-2008†	Standard on Explosion Prevention Systems	5/25/2012	F2013
NFPA 70-2011	National Electrical Code®	11/4/2011	A2013
NFPA 99B-2010†	Standard for Hypobaric Facilities	11/23/2012	A2014
NFPA 130-2010†	Standard for Fixed Guideway Transit and Passenger Rail Systems	11/25/2011	A2013
NFPA 502-2011	Standard for Road Tunnels, Bridges, and Other Limited Access Highways	11/25/2011	A2013
NFPA 520-2010	Standard on Subterranean Spaces	5/24/2013	F2014
NFPA 610-2009	Guide for Emergency and Safety Operations at Motorsports Venues	11/25/2011	A2013
NFPA 853-2010†	Standard for the Installation of Stationary Fuel Cell Power Systems	5/24/2013	F2014
NFPA 914-2010†	Code for Fire Protection of Historic Structures	5/24/2013	F2014
NFPA 1002-2009	Standard for Fire Apparatus Driver/Operator Professional Qualifications	8/26/2011	A2013
NFPA 1143-2009	Standard for Wildland Fire Management	11/25/2011	A2013