Action on NFPA Codes & Standards

NFPA NEWS

Volume 19 • Number 7 July 2015

INSIDE NFPA *NEWS*

The NFPA *News* is a compilation of codes and standards information and activities. We attempt to cover all important details during the codes and standards cycle process so that the public is aware of what is available and what is needed. We want to make the NFPA *News* an even more valuable tool for you. Please forward your ideas to nfpa_news@nfpa.org or contact Carolyn Cronin at 617-984-7240.

Comments Sought on Tentative Interim Amendments (TIAs)

The following Tentative Interim Amendments (TIAs) have been proposed to NFPA. They are being published for public review and comment. Comments should be filed with the Secretary, Standards Council, by the date indicated below, to TIAs_Errata_FIs@nfpa.org .

Proposed TIAs are 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 correlating committee, if any, must vote in favor of the TIA on both technical merit and emergency nature as calculated in accordance with 3.3.4.3 of the *Regulations Governing the Development of NFPA Standards* to establish a recommendation for approval of the TIA.

The Standards Council will review the technical committee and/ or the correlating committee, if any, ballot results, the public comments, and any other information that has been submitted when it considers the issuance of the TIA at the December, 2015 Standards Council meeting. In accordance with 1.6.2(c) of the Regs, a proposed TIA which has been submitted for processing pursuant to 5.1 of the Regs shall be filed no later than 5 days after the notice of the TIA ballot results are published in accordance with 4.2.6. A TIA is tentative because it has not been processed through the entire Standards Development process. It is interim because it is effective only between editions of the document. A TIA automatically becomes a public input of the proponent for the next edition of the document. As such, it then is subject to all of the procedures of the Standards Development process.

NFPA 85-2015 Edition
Boiler and Combustion Systems Hazards Code
TIA Log No.: 1194
Reference: 8.4.2.1.1.2, 8.4.2.1.2.2, 8.4.3.2.2.3 and 8.4.3.2.3.4
Comment Closing Date: August 21, 2015
Submitter: Donald W. Bairley, ALSTOM Power Inc.

1. Revise section 8.4.2.1.1.2 to read as follows:

8.4.2.1.1.2 Three ~~safety shutoff~~ stop valves in series, with proof of closure, at least two of which are safety shutoff valves in series, shall be provided in each fuel line to the combustion turbine for units with combustion turbine purge credit provisions in accordance with 8.8.4.7. Means shall be provided to prevent or relieve excess pressure between these valves (triple block and double drain).

2. Revise section 8.4.2.1.2.2 to read as follows:

8.4.2.1.2.2 Three ~~safety shutoff~~ stop valves in series, with proof of closure, at least two of which are safety shutoff valves in series, shall be provided in each fuel line to the combustion turbine for units with combustion turbine purge credit provisions in accordance with 8.8.4.6. Automatic vent valves shall be provided between these valves (triple block and double vent).

3. Revise section 8.4.3.2.2.3 to read as follows:

8.4.3.2.2.3 Triple Block and Double Vent Valve Arrangement. Three ~~safety shutoff~~ stop valves in series, with proof of closure, at least two of which are safety shutoff valves in series, shall be provided in the fuel line to the duct burner for units with combustion turbine purge credit provisions in accordance with 8.8.4.6. An automatic vent valve shall be provided between each of these valves.

4. Revise section 8.4.3.2.3.4 to read as follows:

8.4.3.2.3.4 Triple Block and Double Drain Valve Arrangement. Three ~~safety shutoff~~ stop valves in series, with proof of closure, at least two of which are safety shutoff valves in series, shall be provided in each fuel line to the duct burner for units with combustion turbine purge credit provisions in accordance with 8.8.4.7. Means shall be provided to prevent or relieve excess pressure between these valves.

Substantiation: As a leading global supplier of combustion turbines and HRSGs, Alstom offers and has already sold purge credit products in accordance with the 2011 Edition of NFPA 85 as an option on new combined cycle units, and as a retrofit upgrade for existing units. On December 1st, 2014, the current edition of NFPA 85 was approved as an American National Standard. Unfortunately, Alstom believes that some of the revisions made for the 2015 Edition may have consequences beyond their intended purpose without improving the safety of the purge credit system.

According to Section 8.4 of the 2011 Edition, units with combustion turbine purge credit require "three *stop valves or equivalent valves* in series." However, the 2015 Edition now requires "three *safety shutoff valves* in series." The Committee explains this decision in a non-technical manner as follows:

> *The committee replaced the term "stop valve" with "safety shutoff valve" for consistency with the rest of the document and NFPA 37.*

Chapter 3 of NFPA 85 defines a safety shutoff valve as a "fast-closing" valve that automatically shuts off the gaseous or liquid fuel supply in response to a normal, emergency, or safety shutdown signal. NFPA 37, defines an Automatic Safety Shutoff Valve (ASSV) as closing within 3s for nominal sizes equal to and below 6 inches and 5s for nominal sizes above 6 inches, but requires only two ASSVs for safety purposes.

Alstom combustion turbine fuel supply system includes three shutoff valves arranged in a triple-block-and-double-vent/drain configuration in accordance with NFPA 85. The most downstream valve and the middle valve are fail closed with proof of closure and considered "fast closing". The most upstream valve is a stop valve with proof of closure.

Alstom has chosen the Pressurized Pipe Section Method as a means of maintaining purge credit wherein the pipe section between the most downstream valve and the middle valve, both of which are fast-closing valves, is pressurized. The closing speed of the most upstream valve then becomes unimportant and has no additional effect of preventing unburned fuel from flowing towards the combustor. Therefore, Alstom recognizes no additional benefit to safety beyond that of Alstom's current design by enhancing the closing speed of the most upstream valve.

Emergency Nature: Considerable time and budget has been invested to thoroughly develop Purge Credit based on the 2011 Edition for various combustion turbines and Purge Credit has been offered and implemented for customers through today. If an unfounded literal interpretation of the 2015 Edition requires Alstom to replace the most upstream shutoff valve with a "fast-closing" valve, offers must be withdrawn from customers and the system must be re-engineered. This would result in an extensive waste of effort and budget above and beyond the additional hardware costs, especially when multiplied across numerous gas turbine fleets. A combustion turbine is highly standardized and optimized, and changes to any system, including the fuel supply system, could result in further unforeseen modifications due to changes in pressure loss, flow rate, or other design parameters.

NFPA 5000®-2015 Edition
Building Construction and Safety Code®
TIA Log No.: 1193
Reference: 7.4.3.6.5(5)
Comment Closing Date: August 21, 2015
Submitter: Marshall A. Klein, Marshall A. Klein & Associates, Inc. and Jeffrey Shapiro, International Code Consultants

1. Revise section 7.4.3.6.5(5) to read as follows:

7.4.3.6.5(5) The maximum building height in feet shall not exceed the limits set forth in Table 7.4.1 for the least restrictive type of construction involved.

Substantiation: We were asked by NFPA to work on the update of the 2016 edition of the *Automatic Sprinkler Systems for Residential Occupancies Handbook*. Our assignment was updating Supplement 4, "Pedestal/Podium Building Design Using Model Building Codes and NFPA Sprinkler Standards," and creating an "Executive Summary on Podium and Pedestal Buildings" to be included in the Handbook.

During our review and updating of code references for the Handbook, we discovered that two important words, "in feet," had been mistakenly deleted from Section 7.4.3.6.5(5), which changed the entire intent of this subsection with respect to the design of Pedestal/Podium Buildings. The error was tracked backwards from the 2015 edition, and it exists in the 2012, 2009 and 2006 editions of NFPA 5000. Neither we nor staff could identify a proposal or comment to the 2006 edition that would have caused this deletion, so it is presumably the result of an improper, unjustified and undocumented editorial change.

Marshall Klein was a member of the NFPA 5000 Task Group on Height & Area in 2001-2002 that drafted the first edition (2003) text of Section 7.4.3.6.5, "Enclosed Parking Structures with Occupancies Above." The text was deliberately modeled after the requirements of 2000 IBC Section 508.2, "Group S-2 enclosed parking garage with Groups A, B, M or R above," so that requirements for both model building codes (IBC & NFPA 5000) would be correlated:

2000 IBC Section 508.2(4):
*The maximum building height **in feet** shall not exceed the limits set forth in Table 503 for the least restrictive type of construction involved.*

2003 NFPA 5000, Section 7.4.3.6.5(6):
*The maximum building height **in feet** shall not exceed the limits set forth in Table 7.4.1 for the least restrictive type of construction involved.*

The height and area Tables in both the IBC (Table 503) and NFPA 5000 (Table 7.4.1) limit building height based on 1) Feet above grade plane and 2) Number of stories. However, IBC Section 508.2(4) and NFPA 5000 Section 7.4.3.6.5(6) **ONLY** limit building height based on feet above grade plane (not by the number of stories). Although that was clear in the original text, the undocumented change that this TIA seeks to reverse deleted the important text "in feet" from Section 7.4.3.6.5(6) as indicated below.

2006 NFPA 5000, Section 7.4.3.6.5(6):
*The maximum building height ~~**in feet**~~ shall not exceed the limits set forth in Table 7.4.1 for the least restrictive type of construction involved.*

Again, neither we nor the staff were able to identify any public proposal or comment during the code development cycle for the 2006 edition of NFPA 5000 that included this change, and it would not have been noticed at the time of publication because there was no vertical rule (change marker) beside this section in the margin of the 2006 edition to designate the revised text (seemingly confirming that the change was apparently regarded as editorial or was an outright mistake made during document processing). Also supporting the position that this change was an error is the fact that Annex D.6.6(5) still retains the "in feet" text.

2015 NFPA 5000, Section D.6.6:
*(5) The maximum building height **in feet** shall not exceed the limits set forth in Table D.4.2.2.1(a) or Table D.4.2.2.1(b) for the least restrictive type of construction involved.*

Since NFPA 5000 is not presently used for this type of construction in the U.S., the change wasn't noticed until we were reviewing provisions to prepare our portion of the 2016 *Automatic Sprinkler Systems for Residential Occupancies Handbook*.

Emergency Nature: This change, seemingly made in error by NFPA editorial staff, could have a major impact on any design under this section of Code from the 2006 through the 2015 editions that has never been justified and which was not made in compliance with due process requirements of NFPA/ANSI consensus procedures in the *Regulations Governing the Development of NFPA Standards*. Based on our discussion with NFPA Staff, it has been recommended that a TIA be issued because of how long the deleted text has existed.

The NFPA Standard contains an error via an omission that was overlooked during the regular revision process (NFPA Regulation Section 5.4(a).

Errata Issued

NFPA and the associated Technical Committee has issued the following errata. An errata is a correction issued to an NFPA Standard, posted on the document's information page (accessible by the link below), Codes Online, and included in any further distribution of the document.

NFPA 68-2013 Edition
Standard on Explosion Protection by Deflagration Venting
Reference: 8.2.5
Errata No: 68-13-1
www.nfpa.org/68current

The Committee on Explosion Protection Systems notes the following error in the 2013 edition of NFPA 68, *Standard on Explosion Protection by Deflagration Venting.*

1. Update references to equations in subsection 8.2.5 to read as follows:

8.2.5 Three different general equations (Equations 8.2.3, ~~8.2.6.7~~ 8.2.5.7, and ~~8.2.6.8~~ 8.2.5.8) shall be applied to the determination of dust deflagration minimum required vent areas.

Issue Date: June 4, 2015

NFPA 85-2015 Edition
Boiler and Combustion Systems Hazards Code
Reference: Figure 9.4.6.13.1
Errata No: 85-15-1
www.nfpa.org/85current

The Committees on Boiler Combustion System Hazards notes the following error in the 2015 edition of NFPA 85, *Boiler and Combustion Systems Hazards Code.*

1. Update a reference in Figure 9.4.6.13.1 in the box under the column heading "No Valves" to read as follows:

Single source of fuel; no individual burners off (*See ~~9.4.5.1.2.11~~9.4.6.13.10*)

Issue Date: June 4, 2015

First Draft Report for the National Electrical Code® (NEC) Available for Public Comment Submission

The First Draft Report is now posted for the NEC for review and the submission of public comments. The Public Comment Closing Date for Online Submission is September 25, 2015. Submit Public Comment online.

The First Draft Report contains a compilation of the First Draft of the NFPA Standard, First Revisions, Public Input, Committee Input, Committee Statements, and Ballot Results and Statements. Where applicable, the First Draft Report also contains First Correlating Revisions, Correlating Notes, and Correlating Input.

The First Draft Report is located on the document's information page.

The NEC Panels will hold their second draft meetings in San Diego in November 2015 to review all public comments received and develop the Second Draft Report that will be posted April 8, 2016.

Click here for instructions on submitting public comments.

Read the Final Results and Transcripts for the 2015 NFPA Technical Meeting

Eleven NFPA standards were considered at this year's NFPA Technical Meeting (Tech Session). During the NFPA Technical Meeting held on June 24-25, 2015, the following eleven NFPA standards in the Annual 2015 and Fall 2014 cycles were presented for action to the NFPA membership:

NFPA 33	Standard for Spray Application Using Flammable or Combustible Materials
NFPA 520	Standard on Subterranean Spaces
NFPA 11	Standard for Low-, Medium-, and High-Expansion Foam
NFPA 1710	Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Career Fire Departments
NFPA 1901	Standard for Automotive Fire Apparatus
NFPA 1917	Standard for Automotive Ambulances
NFPA 652	Standard on Fundamentals of Combustible Dust
NFPA 24	Standard for the Installation of Private Fire Service Mains and Their Appurtenances
NFPA 13	Standard for the Installation of Sprinkler Systems
NFPA 13R	Standard for the Installation of Sprinkler Systems in Low-Rise Residential Occupancies
NFPA 72 ®	National Fire Alarm and Signaling Code

Seventeen Technical Committee Members Honored with the Special Achievement and Committee Service Awards

Every year the National Fire Protection Association's (NFPA) Standards Council recognizes individuals for outstanding service to the organization in the development of codes and standards. Awards were presented to 17 individuals at the NFPA Technical Meeting June 24-25, 2015 in Chicago.

Special Achievement Awards

Weston C. Baker
FM Global
Norwood, MA.

Bruce G. Campbell
JENSEN HUGHES
Baltimore, MD.

Committee Service Awards

Michael E. Aaron
JENSEN HUGHES
Chicago, IL.

Dr. Donald C. Cooper
Ohio Division of State Fire Marshal
Cuyahoga Falls, OH

Daniel A. Dahl
Morrison Hershfield Corporation
Atlanta, GA.

Dale E. Dressel
Solutia
St Loius, MO.

Henry L. Febo, Jr.
FM Global
Norwood, MA.

Jeffrey L. Harrington
Harrington Group, Inc.
Duluth, GA.

Harold D. Hicks, Jr.
Atlantic Code Consultants
Murrysville, PA.

Dr. James A. Milke
University of Maryland
College Park, MD.

Joe W. Noble
Noble Consulting Services, LLC
Las Vegas, NV.

John H. Oates
Town of East Hartford
Granby, CT.

Nancy C. Pehrson
CenterPoint Energy, Inc.
Minneapolis, MN.

Fay Purvis
Vector Fire Technology Inc.
Coatesville, PA.

Robert Schifiliti
R.P. Schifiliti Associates, Inc.
Reading, MA.

David Stymiest
Smith Seckman Reid, Inc.
Nashville, TN.

Terry Victor
Tyco/SimplexGrinnell
Linthicum, MD.

Standards Medal

The most distinguished award given by the NFPA Standards Council was given at the Opening General by Kerry Bell.

Kenneth W Linder
Swiss Re
Windsor, CT

The "Standards Showcase" Shines Spotlight on NFPA's Standards Development Process

June 23, 2015 kicked off a new format to what was formerly known as the Standards Forum.

In changing the format from a presentation to interactive exchange, the Standards Showcase was intended to be a lively exchange between attendees and NFPA staff on a multitude of subjects. We appreciated those who came to join us and participated in a number of different and exciting topics such as NFPA's international direction, resources such as the library and fire analysis and what will attendees see at this year's Tech Session. Speakers included NFPA's Mary Elizabeth Woodruff, Don Bliss, Chris Dubay and Dawn Bellis.

We look forward to seeing everyone next year! Don't miss the opportunity to attend this interactive session at the 2016 NFPA Conference and Expo.

NFPA News in Brief

Latest News directly impacting NFPA's Codes and Standard

NFPA Journal Podcast looks at food truck fire and life safety Read more

NFPA 400 addresses a range of safety issues concerning how ammonium nitrate is handled and stored in existing facilities Read more

Awareness of a risk or hazard doesn't mean we'll change; but new strategies may help safety educators achieve genuine changes in behavior. Read more

Research & Analysis

Research reports directly affecting NFPA Codes and Standards

Background report released on Religious and Funeral Property issues Read more

Research foundation seeks proposals on fire department connection inlet flow requirements for NFPA 14 Read more

Are you involved with sloped ceiling storage protection? The Fire Protection Research Foundation wants to hear from you. Read more

Committee Calendar

For additional meeting information, please contact the appropriate staff liaison listed on NFPA's Document Information Page (click the document number below and then the Technical Committee tab). If you are interested in attending an NFPA Technical Committee meeting as a guest, please read NFPA's *Regulations Governing the Development of NFPA Standards* (Section 3.3.3.3) for further information.

July 2015

7–10 Agricultural Dusts (61 Second Draft), Kansas City, MO

14–15 Wood and Cellulosic Materials Processing (664 Second Draft), Atlanta, GA

14–17 Wildland and Rural Fire Protection (1141, 1142 Second Draft), Centennial, CO

21–23 Handling and Conveying of Dusts, Vapors, and Gases (654 Second Draft), Salt Lake City, UT

21–23 Electronic Safety Equipment (1801, 1802 First Draft), Sacramento, CA

24–25 Respiratory Protection Equipment (1852, 1981 and 1989 pre-First Draft), Sacramento, CA

27 Building Systems (5000 First Draft), Milwaukee, WI

27–28 Means of Egress (101, 5000 First Draft), Milwaukee, WI

27–30 Aircraft Rescue and Fire Fighting (402, 403, 424 First Draft and 414 Second Draft), Salt Lake City, UT

27–31 Lightning Protection (780 Second Draft), Charlotte, NC

28–29 Special Operations Protective Clothing and Equipment (1951 First Draft), Raleigh, NC

29 Building Construction (220, 221 and 5000 First Draft), Milwaukee, WI

29 Structures, Construction and Materials (703, 5000 First Draft), Milwaukee, WI

29 Interior Finish and Contents (101, 5000 First Draft), Milwaukee, WI

29–30 Building Service and Fire Protection Equipment (101, 5000 First Draft), Milwaukee, WI

30 Fire Protection Features (101, 5000 First Draft), Milwaukee, WI

30–31 Fundamentals (101, 5000 First Draft), Milwaukee, WI

August 2015

3–14 Health Care Facilities (99, 99B First Draft), Baltimore, MD

- 3-4 Electrical Systems
- 4 Mechanical Systems
- 5-6 Hyperbaric and Hypobaric Facilities
- 10 Health Care Emergency Management and Security
- 10-12 Piping Systems
- 11 Medical Equipment
- 13-14 Fundamentals

4–5 Liquefied Natural Gas (58 Second Draft), Minneapolis, MN

12 Emergency Medical Services (450 Second Draft), Web/Teleconfernce

17–21 Electrical Safety in the Workplace (70E First Draft), Schaumburg, IL

24 Mercantile And Business Occupancies (101, 5000 First Draft), Milwaukee, WI

24 Assembly Occupancies (101, 5000 First Draft), Milwaukee, WI

24–25 Board and Care Facilities (101, 5000 First Draft), Milwaukee, WI

25 Educational and Day-Care Occupancies (101, 5000 First Draft), Milwaukee, WI

25–26 Industrial, Storage and Miscellaneous Occupancies (101, 5000 First Draft), Milwaukee, WI

25–27 Combustible Metals and Metal Dusts (484 First Draft), Knoxville, TN

25–27 Pyrotechnics (1122, 1123, 1124, 1125, 1127 Second Draft), Denver, CO

26–27 Residential Occupancies (101, 5000 First Draft), Milwaukee, WI

26–27 Health Care Occupancies (101, 5000 First Draft), Milwaukee, WI

28 Detention and Correctional Occupancies (101, 5000 First Draft), Milwaukee, WI

September 2015

9 –11 Flammable and Combustible Liquids (30 First Draft), Austin, TX

- 9 Storage and Warehousing of Containers and Portable Tanks
- 10 Operations
- 10 Fundamentals
- 11 Tank Storage and Piping Systems

14–17 National Fuel Gas Code (54 pre-first Draft), Atlanta GA

17–19 Inspection, Testing, and Maintenance of Water-Based Systems (25 Second Draft), Charleston, SC

22–24 Recreational Vehicles (1192, 1194 First Draft), Lake Buena Vista, FL

27–29 Fixed Guideway Transit and Passenger Rail Systems (130 Second Draft), San Diego, CA

October 2015

12–14 Fire Department Rescue Tools (1936 First Draft), Daytona Beach, FL

19–22 Road Tunnel and Highway Fire Protection (502 Second Draft), Dallas, TX

20–21 Fire Service Training (1403 pre-Second Draft), Dallas, TX

27–29 Electronic Safety Equipment (1802, 1982 pre-First Draft), Colorado Springs, CO

Committees Seeking Members

NFPA is now accepting online applications for Committee membership. Deadline for applications to be reviewed at the December, 2015 Standards Council meeting is September 25, 2015.

To apply for membership on an NFPA Committee, visit the Document Information Page for the relevant NFPA code(s) or standard(s) for which the Committee is responsible.

Then choose the "Technical Committee" tab and select the link "Submit a Committee application online". You will be asked to sign-in or create a free online account with NFPA before using this application system.

For definitions of the interest categories, see Guidelines to Classifications of Committee Members

The following new committee with a document under development is seeking members: Please select the link below to apply online to the applicable new committee. You will be asked to sign-in or create a free online account with NFPA before using this system.

- **Hybrid (Water and Inert Gas) Fire Extinguishing Systems** Submit online application
- **Building Fire & Life Safety Directors**: Submit online application
- **Facilities for Fire Training and Associated Props**: Submit online application
- **Tactical Operations for Video Equipment and Cameras**: Submit online application

The following committees (document responsibility listed below) are seeking members:

Select any one of the document links below for the applicable committee to view the particular interest categories for each committee seeking members and to apply online to the committee.

- Aerosol Extinguishing Technology: NFPA 2010
- Aircraft Maintenance Operations: NFPA 410
- Animal Housing Facilities: NFPA 150
- Boiler Combustion System Hazards—Fluidized Bed Boilers: NFPA 85
- Boiler Combustion System Hazards—Heat Recovery Steam Generators: NFPA 85
- Boiler Combustion System Hazards—Pulverized Fuel Systems: NFPA 85
- Boiler Combustion System Hazards—Single Burner Boilers: NFPA 85
- Boiler Combustion System Hazards—Stoker Operations: NFPA 85
- Building Code—Board and Care Facilities: NFPA 5000
- Building Code—Building Construction: NFPA 220, NFPA 221, NFPA 5000
- Building Code—Building Systems: NFPA 5000
- Building Code—Detention and Correctional Occupancies: NFPA 5000
- Building Code—Educational and Day-Care Occupancies: NFPA 5000
- Building Code—Interior Finish and Contents: NFPA 5000
- Building Code—Structures, Construction and Materials: NFPA 703, NFPA 5000
- Classification and Properties of Hazardous Chemical Data: NFPA 704
- Combustible Dusts—Correlating Committee: NFPA 61, NFPA 91, NFPA 484, NFPA 652, NFPA 654, NFPA 655, NFPA 664
- Combustible Dusts—Fundamentals: NFPA 652
- Construction and Demolition: NFPA 241
- Electrical Equipment Evaluation: NFPA 790, NFPA 791
- Electrical Equipment Maintenance: NFPA 70B
- Emergency Medical Services: NFPA 450
- Explosives: NFPA 495, NFPA 498
- Exposure Fire Protection: NFPA 80A
- Fire and Emergency Services Protective Clothing and Equipment—Emergency Medical Services Protective Clothing and Equipment: NFPA 1999
- Fire and Emergency Services Protective Clothing and Equipment—Special Operations Protective Clothing and Equipment: NFPA 1951, NFPA 1952, NFPA 1975, and NFPA 1983
- Fire and Emergency Services Protective Clothing and Equipment—Tactical and Technical Operations Respiratory Protection Equipment: NFPA 1986
- Wildland Fire Fighting Protective Clothing and Equipment: NFPA 1977
- Fire Department Ground Ladders: NFPA 1931, NFPA 1932

- Fire Department Rescue Tools: NFPA 1936
- Fire Doors and Windows: NFPA 80, NFPA 105
- Fire Hose: NFPA 1961, NFPA 1963, NFPA 1965
- Fire Reporting: NFPA 901
- Fire Safety and Emergency Symbols: NFPA 170
- Fire Tests: NFPA 252, NFPA 253, NFPA 257, NFPA 259, NFPA 260, NFPA 261, NFPA 262, NFPA 265, NFPA 268, NFPA 269, NFPA 270, NFPA 274, NFPA 275, NFPA 276, NFPA 284, NFPA 286, NFPA 287, NFPA 288, NFPA 289, NFPA 290, NFPA 701, NFPA 705
- Flash Fire Protective Garments: NFPA 2112, NFPA 2113
- Fluid Heaters: NFPA 87
- Foam: NFPA 11
- Garages and Parking Structures: NFPA 88A
- Gas Hazards: NFPA 306
- Gas Process Safety: NFPA 56
- Gaseous Fire Extinguishing Systems: NFPA 12, NFPA 12A, NFPA 2001
- Hazard and Risk of Contents and Furnishings: NFPA 555, NFPA 556, NFPA 557
- Health Care Facilities—Correlating Committee: NFPA 99
- Health Care Facilities—Emergency Management and Security: NFPA 99
- Health Care Facilities—Fundamentals: NFPA 99
- Health Care Facilities—Hyperbaric and Hypobaric Facilities: NFPA 99, NFPA 99B
- Health Care Facilities—Mechanical Systems: NFPA 99
- Health Care Facilities—Medical Equipment: NFPA 99
- Helicopter Facilities: NFPA 418
- Incinerators and Waste Handling Systems: NFPA 82
- Industrial Trucks: NFPA 505
- Laser Fire Protection: NFPA 115
- Loss Prevention Procedures and Practices: NFPA 600, NFPA 601
- LP-Gases at Utility Gas Plants: NFPA 59
- Manufacture of Organic Coatings: NFPA 35
- Manufactured Housing: NFPA 501, NFPA 501A, NFPA 225
- Marinas and Boatyards: NFPA 303
- Marine Fire-Fighting Vessels: NFPA 1925
- Marine Terminals NFPA 307
- Merchant Vessels: NFPA 301
- Mining Facilities: NFPA 120, NFPA 122
- Motion Picture and Television Industry: NFPA 140
- Ovens and Furnaces: NFPA 86
- Oxygen Enriched Atmospheres: NFPA 53
- Premises Security: NFPA 730, NFPA 731
- Professional Qualifications—Correlating Committee: NFPA 1000, NFPA 1001, NFPA 1002, NFPA 1003, NFPA 1005, NFPA 1006, NFPA 1021, NFPA 1026, NFPA 1031, NFPA 1033, NFPA 1035, NFPA 1037, NFPA 1041, NFPA 1051, NFPA 1061, NFPA 1071, NFPA 1081, NFPA 1091
- Professional Qualifications—Emergency Vehicle Mechanic Technicians Professional Qualifications: NFPA 1071
- Professional Qualifications—Fire Marshal Professional Qualifications: NFPA 1037
- Professional Qualifications—Fire Service Instructor Professional Qualifications: NFPA 1041
- Professional Qualifications—Incident Management Professional Qualifications: NFPA 1026
- Professional Qualifications—Industrial Fire Brigades Professional Qualifications: NFPA 1081
- Professional Qualifications—Public Fire Educator Professional Qualifications: NFPA 1035
- Professional Qualifications—Public Safety Telecommunicato r Professional Qualifications: NFPA 1061
- Professional Qualifications—Rescue Technician Professional Qualifications: NFPA 1006
- Professional Qualifications—Wildfire Suppression Professional Qualifications: NFPA 1051
- Public Emergency Service Communication: NFPA 1221
- Record Protection: NFPA 232
- Recreational Vehicles: NFPA 1192, NFPA 1194
- Road Tunnel and Highway Fire Protection: NFPA 502

- Safety to Life—Alternative Approaches to Life Safety: NFPA 101A
- Safety to Life—Board and Care Facilities: NFPA 101®
- Safety to Life—Detention and Correctional Occupancies: NFPA 101®
- Safety to Life—Educational and Day Care Occupancies: NFPA 101®
- Safety to Life—Interior Finish and Contents: NFPA 101®
- Safety to Life—Industrial Storage and Miscellaneous Occupancies: NFPA 101®
- Shipbuilding, Repair, and Lay-Up: NFPA 312
- Signaling Systems—Public Fire Reporting Systems: NFPA 72®
- Smoke Management Systems: NFPA 204, NFPA 92
- Solvent Extraction Plants: NFPA 36
- Subterranean Spaces: NFPA 520
- Tank Leakage and Repair Safeguards: NFPA 326, NFPA 329
- Telecommunications: NFPA 76
- Textile and Garment Care Processes: NFPA 32
- Transportation of Flammable Liquids: NFPA 385
- Vehicular Alternative Fuel Systems: NFPA 52
- Wastewater Treatment Plants: NFPA 820
- Water Additives for Fire Control and Vapor Mitigation: NFPA 18, NFPA 18A
- Water-Cooling Towers: NFPA 214
- Water Tanks: NFPA 22
- Wildland and Rural Fire Protection: NFPA 1141, NFPA 1142, NFPA 1144
- Wildland Fire Management: NFPA 1143 and NFPA 1145

Committees Soliciting Public Input (formerly Proposals)

The committees for the following documents are planning to begin preparation of their reports. In accordance with the *Regulations Governing the Development of NFPA Standards* committees are now accepting Public Input for recommendations on content for the documents listed below. Public Input 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. Submit Public Input electronically via our new online electronic submission system. For instructions on how to use the electronic submission system, please go to www.nfpa.org/publicinput or go to the document information pages for a list of Codes and Standards available for Public Input at www.nfpa.org/codelist.

† Change in proposal closing date or cycle
P* Indicates proposed document

Document No. Edition	Title	Public Input Closing Date	Meeting Reporting
NFPA 12-2015	Standard on Carbon Dioxide Extinguishing Systems	1/7/2016	F2017
NFPA 12A-2015	Standard on Halon 1301 Fire Extinguishing Systems	1/7/2016	F2017
NFPA 22-2013	Standard for Water Tanks for Private Fire Protection	1/7/2016	F2017
NFPA 30B-2015	Code for the Manufacture and Storage of Aerosol Products	6/29/2016	A2018
NFPA 34-2015	Standard for Dipping, Coating, and Printing Processes Using Flammable or Combustible Liquids	1/7/2016	F2017
NFPA 51B-2014	Standard for Fire Prevention During Welding, Cutting, and Other Hot Work	6/29/2016	A2018
NFPA 68-2013	Standard on Explosion Protection by Deflagration Venting	1/7/2016	F2017
NFPA 69-2014	Standard on Explosion Prevention Systems	1/5/2017	F2018
NFPA 77-2014	Recommended Practice on Static Electricity	6/29/2016	A2018
NFPA 79-2015	Electrical Standard for Industrial Machinery	1/7/2016	F2017
NFPA 82-2014	Standard on Incinerators and Waste and Linen Handling Systems and Equipment	1/5/2017	F2018
NFPA 85-2015	Boiler and Combustion Systems Hazards Code	1/5/2017	F2018
NFPA 86-2015	Standard for Ovens and Furnaces	6/29/2016	A2018
NFPA 88A-2015	Standard for Parking Structures	6/29/2016	A2018
NFPA 92-2015	Standard for Smoke Control Systems	1/7/2016	F2017

NFPA 140-2013	Standard on Motion Picture and Television Production Studio Soundstages, Approved Production Facilities, and Production Locations	1/7/2016	F2017
NFPA 170-2015	Standard for Fire Safety and Emergency Symbols	1/7/2016	F2017
NFPA 204-2015	Standard for Smoke and Heat Venting	1/7/2016	F2017
NFPA 241-2013	Standard for Safeguarding Construction, Alteration, and Demolition Operations	1/7/2016	F2017
NFPA 259-2013	Standard Test Method for Potential Heat of Building Materials	1/7/2016	F2017
NFPA 260-2013	Standard Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture	1/7/2016	F2017
NFPA 261-2013	Standard Method of Test for Determining Resistance of Mock-Up Upholstered Furniture Material Assemblies to Ignition by Smoldering Cigarettes	1/7/2016	F2017
NFPA 270-2013	Standard Test Method for Measurement of Smoke Obscuration Using a Conical Radiant Source in a Single Closed Chamber	1/7/2016	F2017
NFPA 274-2013	Standard Test Method to Evaluate Fire Performance Characteristics of Pipe Insulation	1/7/2016	F2017
NFPA 289-2013	Standard Method of Fire Test for Individual Fuel Packages	1/7/2016	F2017
NFPA 290-2013	Standard for Fire Testing of Passive Protection Materials for Use on LP-Gas Containers	1/7/2016	F2017
NFPA 306-2014	Standard for the Control of Gas Hazards on Vessels	6/29/2016	A2018
NFPA 495-2013	Explosive Materials Code	1/7/2016	F2017
NFPA 498-2013	Standard for Safe Havens and Interchange Lots for Vehicles Transporting Explosives	1/7/2016	F2017
NFPA 505-2013	Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations	1/7/2016	F2017
NFPA 610-2014	Guide for Emergency and Safety Operations at Motorsports Venues	6/29/2016	A2018
NFPA 705-2013	Recommended Practice for a Field Flame Test for Textiles and Films	1/7/2016	F2017
NFPA 750-2015	Standard on Water Mist Fire Protection Systems	6/29/2016	A2018
NFPA 801-2014	Standard for Fire Protection for Facilities Handling Radioactive Materials	1/5/2017	F2018
NFPA 1001-2013	Standard for Fire Fighter Professional Qualifications	1/7/2016	F2017
NFPA 1005-2014	Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters	1/5/2017	F2018
NFPA 1026-2014	Standard for Incident Management Personnel Professional Qualifications	1/7/2016	F2017
NFPA 1041-2012	Standard for Fire Service Instructor Professional Qualifications	1/5/2017	F2018
NFPA 1061-2014	Standard for Professional Qualifications for Public Safety Telecommunications Personnel	1/7/2016	F2017
NFPA 1081-2012	Standard for Industrial Fire Brigade Member Professional Qualifications	1/7/2016	F2017
NFPA 1091-2015	Standard for Traffic Control Incident Management Personnel Professional Qualifications	1/5/2017	F2018
NFPA 1221-2016	Standard for the Installation, Maintenance, and Use of Emergency Services Communications Systems	6/29/2016	A2018
NFPA 1404-2013	Standard for Fire Service Respiratory Protection Training	1/7/2016	F2017
NFPA 1451-2013	Standard for a Fire and Emergency Services Vehicle Operations Training Program	1/7/2016	F2017
NFPA 1561-2014	Standard on Emergency Services Incident Management System and Command Safety	1/5/2017	F2018
NFPA 1851-2014	Standard on Selection, Care, and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting	1/5/2017	F2018
NFPA 1852-2013	Standard on Selection, Care, and Maintenance of Open-Circuit Self-Contained Breathing Apparatus (SCBA)	1/7/2016	F2017
NFPA 1855-2013	Standard for Selection, Care, and Maintenance of Protective Ensembles for Technical Rescue Incidents	1/7/2016	F2017
NFPA 1858-P*	Standard on Selection, Care, and Maintenance of Life Safety Rope and Equipment for Emergency Services	1/7/2016	F2017
NFPA 1925-2013	Standard on Marine Fire-Fighting Vessels	1/7/2016	F2017
NFPA 1962-2013	Standard for the Care, Use, Inspection, Service Testing, and Replacement of Fire Hose, Couplings, Nozzles, and Fire Hose Appliances	1/7/2016	F2017
NFPA 1963-2014	Standard for Fire Hose Connections	1/5/2017	F2018
NFPA 1964-2013	Standard for Spray Nozzles	1/7/2016	F2017
NFPA 1965-2014	Standard for Fire Hose Appliances	1/5/2017	F2018
NFPA 1975-2014	Standard on Emergency Services Work Clothing Elements	1/5/2017	F2018
NFPA 1981-2013	Standard on Open-Circuit Self-Contained Breathing Apparatus (SCBA) for Emergency Services	1/7/2016	F2017
NFPA 1982-2013	Standard on Personal Alert Safety Systems (PASS)	1/7/2016	F2017
NFPA 1989-2013	Standard on Breathing Air Quality for Emergency Services Respiratory Protection	1/7/2016	F2017
NFPA 1999-2013	Standard on Protective Clothing and Ensembles for Emergency Medical Operations	8/3/2015	A2017
NFPA 2001-2015	Standard on Clean Agent Fire Extinguishing Systems	1/7/2016	F2017