INTRODUCING NFPA 200: THE NEW HANGING AND BRACING STANDARD

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- B.S. ('92) and M.S. ('96) in Fire Protection Engineering, University of Maryland, College Park
- 35+ years of experience in the fire protection industry.
  - Sprinkler fitter, designer, inspector, contractor, and engineer.
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  - Immediate Past President, SFPE Chesapeake Chapter
- Vice Chair, Maryland State Fire Prevention Commission
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  - ENFP 310 – Water-Based Fire Protection System Design
- NFSA Engineering and Standards Committee, Alternate Member
- NFPA Technical Committee Member
  - NFPA 13 (SSI), NFPA 30B, NFPA 72 (IDS), NFPA 200, NFPA 909 and 914 (Chair)

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The authority on fire, electrical, and building safety

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Learning Objectives

- Learning Objective 1: Demonstrate why there was a need for a new hanging and bracing standard
- Learning Objective 2: Discuss the scope of the document
- Learning Objective 3: Explain the intended inter-relationship with NFPA 13 and related documents
- Learning Objective 4: Outline the structure of the document

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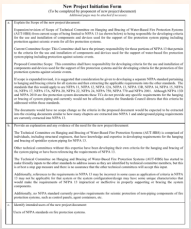
NFPA 200 – Why was there a need?

- A "New Project Initiation Form," (NPIF) was completed in 2017.
  - The NPIF stated that many other standards (covering systems other than sprinkler systems) were referencing the hanging and bracing requirements of NFPA 13.
  - It was initially estimated that 11 other standards referenced the hanging and seismic bracing requirements of NFPA 13
  - It was later determined to be higher



New Project Initiation Form

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NFPA 200 – Why was there a need?

- Other standards provide requirements for fire protection, fire suppression and fire extinguishment systems, other than sprinkler systems.
- The requirements of NFPA 13:
  - Do not necessarily apply to other types of fire protection, suppression or extinguishment systems
  - Might be insufficient for the other system
  - Might be too restrictive

What is a sprinkler system?

Defined in NFPA 13 Section 3.3.224

- A system commonly activated by heat from a fire
  - ✓ One or more water supply sources
  - ✓ A control valve
  - ✓ A drain
  - ✓ A waterflow alarm (when required)
- Consists of an integrated network of piping designed in accordance with fire protection engineering standards
  - ✓ Hydraulically sized piping
  - ✓ Generally installed at ceiling level
  - ✓ Has sprinklers attached in a systematic pattern
  - ✓ Discharges water over the fire area

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NFPA 200 – Why is there a need?

- The document requested the expansion of the Scope of the Technical Committee on Hanging and Bracing of Water-Based Fire Protection Systems (AUT-HBS) to include ALL water-based fire protection systems not just NFPA 13 sprinkler systems.

NFPA 200 was initially held until the completion of NFPA 13-2019 ➔ NFPA 13 - 2028
Started, stalled, and now nearing completion.

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Administrative and General Requirements

- Chapter 1: Administration
  - Scope
  - Purpose
  - Application
  - Retroactivity
  - New Technology
  - Units and Formulas

This chapter provides the same basic information that is found in any NFPA code or standard

It tells us where the standard applies, its purpose, whether it applies to new systems or existing systems

It also acknowledges the evolution of equipment and new technology

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Administrative and General Requirements

- Chapter 2: Referenced Publications
  - General
  - NFPA Publications
  - Other Publications
  - References for Extracts in Mandatory Sections
- Chapter 3: Definitions
  - General
  - NFPA Official Definitions
    - Listed
    - Approved
  - General Definitions

The layout of chapters 1 – 4 are typical of any NFPA code or standard.

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Administrative and General Requirements

- Chapter 4: General Requirements
  - Application
  - Goals and Objectives
    - Compliance Options
    - Prescriptive-Based Option
    - Alternative Approach
  - Structure
  - Materials
  - Minimum Requirements
  - System Piping
  - Installation
  - System Acceptance

The requirements of this standard apply to systems designed in accordance with:

- NFPA 11
- NFPA 12
- NFPA 12A
- NFPA 13
- NFPA 13R
- NFPA 14
- NFPA 15
- NFPA 17
- NFPA 17A
- NFPA 20
- NFPA 22
- NFPA 24
- NFPA 750
- NFPA 770
- NFPA 2001
- NFPA 2010

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Administrative and General Requirements

- Where systems are required to be protected against damage by earthquakes…

- Chapter 5 : Seismic Protection General Requirements
  - General
  - Listing
  - Component Material
  - Flexibility
  - Sway Bracing
  - Hangers and Fasteners Subject to Earthquakes
  - Pipe Stands Subject to Earthquakes
  - Sway Brace Calculations

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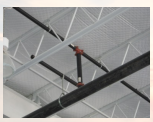
Sprinkler Systems

- Chapter 6: Installation Requirements for the Hanging and Support of Sprinkler System Piping



Extracted requirements from Chapter 17

Applicable Installation Standard

NFPA 13, *Standard for the Installation of Sprinkler Systems*

NFPA 13R, Standard for the Installation of Sprinkler Systems in Low-Rise Residential Occupancies

- Chapter 7: Installation Requirements for Seismic Protection of Sprinkler System Piping

Extracted requirements from Chapter 18

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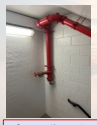
Standpipe Systems

- Chapter 8: Installation Requirements for the Hanging and Support of Standpipe System Piping
- Chapter 9: Installation Requirements for Seismic Protection of Standpipe System Piping



Applicable Installation Standard

NFPA 14, *Standard for the Installation of Standpipe and Hose Systems*

References Chapter 6
- Follows the requirements for sprinkler systems from NFPA 13

References Chapter 7
- Follows the requirements for sprinkler systems from NFPA 13

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Water-Spray Fixed Systems

- Chapter 10: Installation Requirements for the Hanging and Support of Water-Spray Fixed Systems
- Chapter 11: Installation Requirements for Seismic Protection of Water-Spray Fixed Systems

Applicable Installation Standard

NFPA 15, *Standard for Water Spray Fixed Systems for Fire Protection*

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NFPA 15

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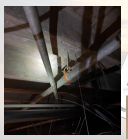
Gaseous Systems

- Chapter 12: Installation Requirements for the Hanging, Support, and Anchorage of Gaseous Systems
- Chapter 13: Installation Requirements for Seismic Protection of Gaseous Systems



Applicable Installation Standards

NFPA 12, *Standard on Carbon Dioxide Extinguishing Systems*

NFPA 12A, *Standard on Halon 1301 Fire Extinguishing Systems*

NFPA 17, *Standard for Dry Chemical Extinguishing Systems*

NFPA 2001, *Standard on Clean Agent Extinguishing Systems*

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Gaseous Fire Suppression Agent Storage Containers

- Chapter 14: Installation Requirements for the Hanging, Support, and Anchorage of Gaseous Fire Suppression Agent Storage Containers
- Chapter 15: Installation Requirements for Seismic Protection of Gaseous Fire Suppression Agent Storage Containers

Applicable Installation Standards

NFPA 12, *Standard on Carbon Dioxide Extinguishing Systems*

NFPA 12A, *Standard on Halon 1301 Fire Extinguishing Systems*

NFPA 17, *Standard for Dry Chemical Extinguishing Systems*

NFPA 2001, *Standard on Clean Agent Extinguishing Systems*

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Wet Chemical Systems

- Chapter 16: Installation Requirements for the Hanging and Support of Wet Chemical Systems
- Chapter 17: Installation Requirements for Seismic Protection of Wet Chemical Systems

Applicable Installation Standard

NFPA 17A, *Standard for Wet Chemical Extinguishing Systems*

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Condensed Aerosol Systems

- Chapter 18: Installation Requirements for the Hanging and Support of Condensed Aerosol Systems
- Chapter 19: Installation Requirements for Seismic Protection of Condensed Aerosol Systems

Applicable Installation Standard

NFPA 2010, *Standard for Fixed Aerosol Fire-Extinguishing Systems*

Source: https://en.wikipedia.org/wiki/Condensed_aerosol_fire_suppression

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Water Mist Systems

- Chapter 20: Installation Requirements for the Hanging, Support, and Anchorage of Water Mist Systems
- Chapter 21: Installation Requirements for Seismic Protection of Water Mist Systems

Applicable Installation Standard

NFPA 750, *Standard on Water Mist Fire Protection Systems*

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Hybrid Systems

- Chapter 22: Installation Requirements for the Hanging, Support, and Anchorage of Hybrid Systems
- Chapter 23: Installation Requirements for Seismic Protection of Hybrid Systems

Applicable Installation Standard

NFPA 770, *Standard for Hybrid (Water and Inert Gas) Fire-Extinguishing Systems*

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Fire Pump Systems

- Chapter 24: Installation Requirements for the Hanging, Support, and Anchorage of Fire Pump Systems
- Chapter 25: Installation Requirements for Seismic Protection of Fire Pump Systems

Applicable Installation Standard

NFPA 20, *Standard for the Installation of Stationary Pumps for Fire Protection*

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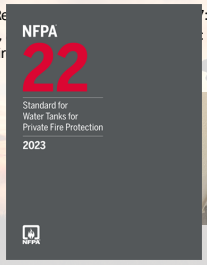
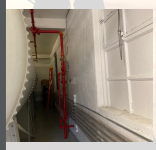
Tanks for Fire Protection

- Chapter 26: Installation Re… for the Hanging, Support, … Anchorage of Tanks for Fir… Protection
- …: Installation Requirements … Protection of Tanks for Fire





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Private Fire Service Mains

- Chapter 28: Installation Requirements for the Hanging, Support, and Anchorage of Private Fire Service Mains
- Chapter 29: Installation Requirements for Seismic Protection of Private Fire Service Mains

Applicable Installation Standard

NFPA 24, *Standard for the Installation of Private Fire Service Mains and Their Appurtenances*

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Foam System Components

- Chapter 30: Installation Requirements for the Hanging, Support, and Anchorage of Foam System Components
- Chapter 31: Installation Requirements for Seismic Protection of Foam System Components

Applicable Installation Standard

NFPA 11, *Standard for Low-, medium-, and High-Expansion Foam*

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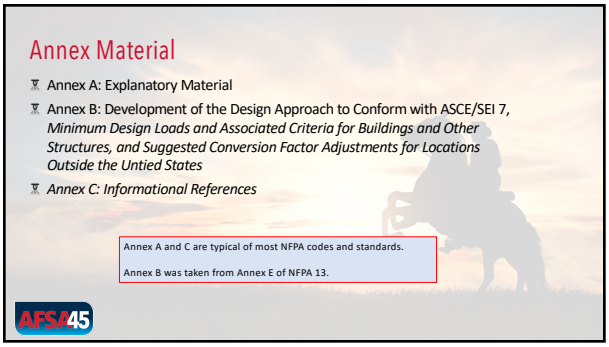
Annex Material
Annex A: Explanatory Material
Annex B: Development of the Design Approach to Conform with ASCE/SEI 7, Minimum Design Loads and Associated Criteria for Buildings and Other Structures, and Suggested Conversion Factor Adjustments for Locations Outside the Untied States
Annex C: Informational References
Annex A and C are typical of most NFPA codes and standards.
Annex B was taken from Annex E of NFPA 13.
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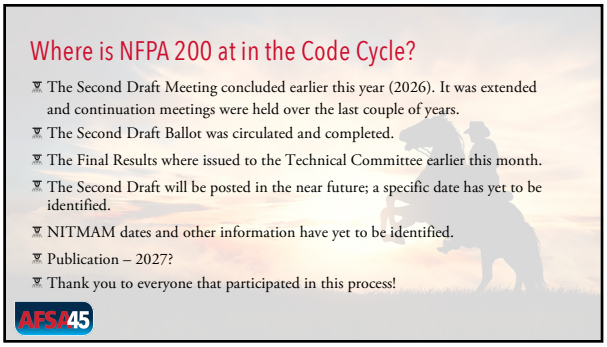
Where is NFPA 200 at in the Code Cycle?
The Second Draft Meeting concluded earlier this year (2026). It was extended and continuation meetings were held over the last couple of years.
The Second Draft Ballot was circulated and completed.
The Final Results where issued to the Technical Committee earlier this month.
The Second Draft will be posted in the near future; a specific date has yet to be identified.
NITMAM dates and other information have yet to be identified.
Publication – 2027?
Thank you to everyone that participated in this process!
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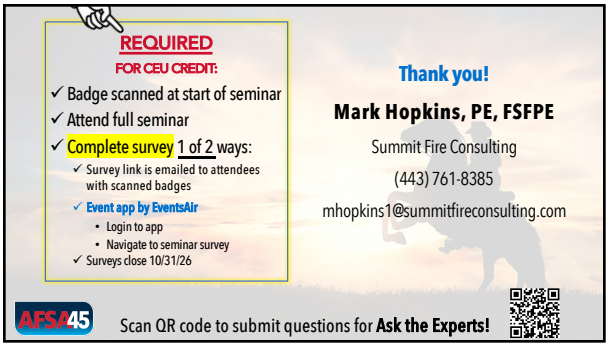
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FOR CEU CREDIT:
✓ Badge scanned at start of seminar
✓ Attend full seminar
✓ Complete survey 1 of 2 ways:
✓ Survey link is emailed to attendees with scanned badges
✓ Event app by EventsAir
• Login to app
• Navigate to seminar survey
✓ Surveys close 10/31/26
Thank you!
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Scan QR code to submit questions for Ask the Experts!

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2027 Training Schedule

WEBINARS

1/6	Updates to NFPA 20
1/20	Calculating Pressure Reducing Hose Valves
2/3	Consumer Alert: Nitrogen in Sprinkler Systems
2/17	Reviewing Hydraulic Calculations
3/3	Updates to NFPA 13, 2028 Ed.
3/17	Updates to NFPA 13R & 13D, 2028 Eds.
4/7	Topic Coming Soon
4/21	NFPA 25: Roles & Responsibilities
5/5	Standpipe Flow Test Procedures
5/19	Storage 101
6/2	NFPA Technical Meeting - Voting Guide
6/16	Topic Coming Soon
6/30	Topic Coming Soon
7/7	Updates to NFPA 14, 2027 Edition
7/21	Adjacent Hazards & Design Methods
8/4	Acceptance Testing
8/18	Modifications to Existing Systems
9/22	Topic Coming Soon
10/6	Seismic 101
10/20	Proposed Updates to NFPA 25, 2029 Ed.
11/3	Evaluating Fire Pump Flow Tests
11/17	Top 10 Tech Reviews
12/1	Designing Water Storage Tanks
12/15	Pump Room Layout

PROGRAMS

Feb 9 - Mar 5 Apr 20 - May 14 Aug 3 - Aug 27** Oct 26 - Nov 19	Beginning Design School*
Apr 26 - May 7 Nov 1 - 12	Intermediate Design School*
Feb 8 - 10** Apr 12 - 14 Jul 12 - 14 Oct 11 - 13	Sprinkler Hydraulics Calculations Workshop
Apr 19 - 21 Oct 18 - 20	Advanced Hydraulics Calculations Workshop
Feb 11** Apr 30 Jul 23 Sep 24	Introduction to the Fire Sprinkler Industry
Mar 1 - 3 May 17 - 19 Aug 16 - 18 Oct 18 - 20**	NFPA 25 Essentials Workshop
Jun 7 - 10 Sep 20 - 23	Experienced Inspector Skills Lab
Mar 4 - 5 May 20 - 21 Aug 19 - 20 Oct 21 - 22**	NFPA 25 Fire Pump Workshop
Spring Summer Fall	ITM Inspector Development Program* *This program is 20 months.*

** Hybrid course **At General Air Products Lab, Exton, PA*

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September 8-11	Manchester Grand Hyatt San Diego, CA

For More Details Visit:
firesprinkler.org

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Dates subject to change. Programs subject to minimum registrations.

rev 9/14/2026

Virtual Instruction Path (VIP)

for Sprinkler Fitting Apprentices

Level 1 - Begins January 2027

Level 2 - Begins February 2027

Level 3 - Begins January 2027

Level 4 - Begins March 2027

www.firesprinkler.org/VIP

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HANDS-ON WORKSHOPS FOR 2027

FEATURING AFSA'S TRAINING LAB

NFPA 25 Essentials Workshop

Mar | May | Aug | Oct

Description: Understand roles, responsibilities, and NFPA 25 ITM procedures through hands-on testing of wet systems, dry systems, and fire pumps.

NFPA 25 Fire Pump Workshop

Mar | May | Aug | Oct

Description: Develop practical NFPA 25 fire pump ITM skills, including no-flow and full-flow testing, water supply graphing, and performance evaluation.

Introduction to the Fire Sprinkler Industry

Feb | Apr | Jul | Sep

Description: This course is designed for those new to the industry. An introductory, wide-ranging 8-hour course that provides a broad overview of core fire sprinkler industry concepts for those new to the field.

Experienced Inspector Skills Lab NEW

Mar | Sep

Description: Take your ITM expertise beyond the basics. Designed for experienced technicians, this course combines focused classroom instruction with hands-on system lab training to strengthen your application of current NFPA 25 inspection, testing, and maintenance requirements. Refine fire sprinkler testing practices, improve documentation, deliver more consistent service, and help reduce liability while reinforcing knowledge commonly covered on certification exams.

Learn more about AFSA's fire sprinkler lab featuring functional risers, a spray room, fire pumps, and an interactive classroom.

firesprinkler.org/lab