



NATIONAL FIRE PROTECTION ASSOCIATION

The leading information and knowledge resource on fire, electrical and related hazards

MINUTES

NFPA Technical Committee on Fundamentals of the Fire Code (FCC-FUN) NFPA 1 First Draft Meeting (A2026)

June 24, 2024 and June 25, 2024

Holiday Inn Orlando-Disney Springs, Orlando, FL

1. **Call to order.** James Peterkin, chair, called the meeting to order at 8:00 a.m. (ET) on June 24, 2024.
2. **Introductions.** Attendees introduced themselves and identified their affiliation.
3. **Chair report.** James Peterkin welcomed attendees and provided an overview of the meeting.
4. **Staff liaison report.** Jennifer Sisco provided an overview of the standards development process, the revision cycle schedule, and the process for reference publication and extract updates.
5. **Previous meeting minutes.** The minutes for the February 2024 web/teleconference were approved without revision.
6. **Items from Correlating Committee Pre-First Draft Meeting.** February 2024 web/teleconference.
 - a. **Restructuring.** See the FCC-FUN Restructuring Task Group report.
 - b. **Extract Consistency.** See the FCC-FUN Extracts Task Group report.
 - c. **Correlating Committee Battery Task Group.** See the FCC-FUN Battery Task Group report.
7. **NFPA 1 First Draft.**
 - a. **Review of Public Inputs.** The Technical Committee reviewed the Public Inputs and developed First Revisions and Committee Inputs as necessary. These will be available in the First Draft Report at www.nfpa.org/1.
 - b. **Task group report.** The following task group provided their reports and recommendations.
 - i. **Extract.** M. O'Brian. The task group provided a report (see Agenda), First Revisions and Committee Inputs were developed. The task group was reconstituted to continue work.
 - ii. **Restructuring.** S. Clary. The task group provided a report (see attached), First Revisions were developed. The task group was reconstituted to continue work.

- iii. **Battery.** K. Nicoletto. The task group provided a report (see Agenda), First Revisions and Committee Inputs were developed. The task group was reconstituted to continue work.
 - iv. **Photovoltaic.** W. Palazini. The task group provided a report (see attached), Committee Inputs were developed. The task group was reconstituted to continue work.
- c. **Presentation(s).** The committee heard presentations from the following individuals.
- i. Jeff Shapiro. Spoke against Public Inputs No. 257 and 258. No visuals were presented.
 - ii. Mark Fessenden. Spoke in favor of Public Inputs No. 257 and 258. No visuals were presented.
- d. **New task groups.** The following task groups were appointed to work subsequent to the meeting:
- i. **Temporary Use.** TG Chair: Robert Solomon. Members: Tony Apfelbeck, Bruce Johnson, Steven Sawyer, and Ken Bush. Review the proposed requirements in Committee Inputs No. 9 and 10, and submit public comments or provide a recommendation to the technical committee prior to the second draft meeting.
 - ii. **Alcohol-Based Hand-Rub.** TG Chair: Bruce Johnson. Members: Sarina Hart, Michael O'Brian, Justin Schwartz, and Steven Orlowski. Review the proposed requirements in Committee Input No. 16 and submit public comments or provide a recommendation to the technical committee prior to the second draft meeting.
 - iii. **In-Building Emergency Responder Communication Coverage.** TG Chair: Bruce Johnson. Members: Tony Apfelbeck, Richard Roberts, Shane Clary, Steve Orlowski, and Michael O'Brian. Review the proposed requirements in Committee Inputs No. 155, and submit public comments or provide a recommendation to the technical committee prior to the second draft meeting.
- e. **Request to the Correlating Committee.** The Technical Committee on Fundamentals of the Fire Code passed a motion to add this note to the minutes requesting the Fire Code Correlating Committee consider appointing a task group to review the requirements in 1.1.1. This section includes a list of items which are within the scope of NFPA 1. It is the opinion of this technical committee that there are redundancies as well as potential gaps in this list of items within the scope of NFPA 1. Since the scope impacts all three technical committees, this technical committee is requesting that the correlating committee consider appointing a task group to review this section. See related action taken by this technical committee related to Public Inputs No. 215 and 59.
- 8. Other Business.** None.
- 9. Future meetings.** The next committee meeting will be in Spring or early Summer of 2025. A meeting notification will be posted at www.nfpa.org/next when the meeting is scheduled.
- 10. Adjournment.** The meeting was adjourned at 6:46 p.m. (ET) on June 25, 2024.

Attendees

Committee Members:

✓	Peterkin, James	Chair	TLC Engineering Rep. NFPA Health Care Section
✓	Apfelbeck, Anthony	Principal	Altamonte Springs Building & Fire Safety
✓	Bellamy, Tracey	Principal	Telgian Corporation
	Browning, Butch	Principal	Louisiana Office of State Fire Marshal Rep. International Association of Fire Chiefs
✓	Bush, Kenneth	Principal	Maryland State Fire Marshals Office
	Butts, Chris	Principal	Sompo International
	Buuck, Daniel	Principal	National Association of Home Builders
	Chand, Ramjee	Principal	Ezone Rest Assured
✓	Clary, Shane	Principal	Bay Alarm Company Rep. Automatic Fire Alarm Association, Inc.
✓	Custer, Michael*	Principal	Fort Detrick Fire Department
	Fukuda, Andrew	Principal	Honolulu Fire Department Rep. International Association of Fire Fighters
✓	Garriss, Dwayne	Principal	Synergy Consortium Group, LLC Rep. Fire Equipment Manufacturers' Association
✓	Hall, Kevin	Principal	American Fire Sprinkler Association
✓	Hart, Sarina	Principal	Koffel Associates, Inc.
✓	Hoevermann, Jason*	Principal	Florissant Valley Fire Protection District
✓	Hopkins, Terin	Principal	National Fire Sprinkler Association
	Jackson, Michael	Principal	Philadelphia Fire Department
✓	Kendzel, James*	Principal	American Supply Association
✓	Laramie, Scott*	Principal	AON Property Risk
	McDonald, Laurent	Principal	Oxford Fire Department
	McLoughlin, James	Principal	Wake County Public School System
✓	Mosberian, Brian	Principal	Phoenix Fire Department
✓	Nicolello, Kelly	Principal	UL Solutions
✓	O'Brian, Michael	Principal	Code Savvy Consultants
✓	O'Brocki, Raymond*	Principal	American Wood Council
✓	Olsen, Brian*	Principal	Phillips 66 Rep. American Petroleum Institute
✓	Palazini, Wade	Principal	JENSEN HUGHES
✓	Pennacchio, Elizabeth	Principal	Code Consultants, Inc.
✓	Santoro, Gary	Principal	Self Employed
✓	Sawyer, Steven	Principal	Rep. New England Association of Fire Marshals
	Schubert, Randy	Principal	Ericsson Rep. Alliance for Telecommunications Industry
✓	Solomon, Robert	Principal	SOCOTEC
✓	Stashak, Catherine	Principal	Office of the Illinois State Fire Marshal
✓	Tyree, Kenneth	Principal	West Virginia State Fire Marshals Office
	Weniger, Christopher	Principal	Hillsborough Township Fire Commission
✓	Arthur, Daniel*	Alternate	Code Consultants Inc.
✓	Branka, Matthew*	Alternate	Jensen Hughes
✓	Denhardt, John	Alternate	American Fire Sprinkler Association
	Hawthorne, Edward	Alternate	DFW Dynamics Rep. American Petroleum Institute
✓	Hugo, Jeffrey*	Alternate	National Fire Sprinkler Association

✓	Johnson, Bruce	Alternate	UL Solutions
	Kimball, Roy	Alternate	Brooks Equipment Company LLC Rep. Fire Equipment Manufacturers' Association
✓	Orlowski, Steven	Alternate	Sundowne Building Code Consultants LLC Rep. National Association of Home Builders
✓	Reiswig, Rodger*	Alternate	Johnson Controls Rep. Automatic Fire Alarm Association, Inc.
	Therrien, Annie	Alternate	SOCOTEC
✓	Sisco, Jen	Staff Liaison	National Fire Protection Association

Guests:

Maria Marks*	Siemens
Bryan Holland*	NEMA
Jonathan Humble	National Multifamily Housing Council
Mark Fesseden	International Fire Suppression Alliance (IFSA)
Jeff Shapiro*	Lake Travis Fire Rescue, rep. Self
Chris Searles	CGS & Associates, Rep. IEEE Energy Storage Systems and Stationary Batteries Committee
Bob Davidson	Davidson Code Concepts
Brandon Heffernan	SDi Fire
Rick Heffernan	SDi Fire
Joe Cain*	Solar Energy Industries Association
Tracy Vecchiarelli*	NFPA
Andrew O'Neil	NFPA
Robby Dawson*	NFPA
Camille Levy	NFPA
Alex Ing	NFPA
Patrick Bakaj	NFPA

*Participated by teleconference

Total number in attendance: 49

Task Group Report – Proposed Action

DOC #	1
TC	Fundamentals of the Fire Code
TG #/NAME	Restructuring
TG CHAIR	Shane Clary
TG MEMBERS	Cathy Stashak, Sarina Hart, Tony Apfelbeck, Jason Hoevelman, Ramjee Chand, Scott Custer

PROPOSED REVISION	Create a First Revision consolidating permit requirements from Table 1.13.8(a) and other locations under a single section in each chapter as show in the task group report.
PROPOSED STATEMENT	Permit requirements were relocated out of Table 1.13.8(a) as directed by the Correlating Committee. Additional permit requirements were identified in other sections and were consolidated under the new Permits sections, as applicable.

Table 1.13.8(a) Permit Requirements

Operations and Materials	Permit Required	Cross Reference Section Number
Amusement parks	For construction, alteration, or operation of amusement park fire protection safety features	10.14.1 <u>10.1.2</u>
Automatic fire suppression systems	For installation, modification, or removal from service of any automatic fire suppression system*	13.1.1.1; 50.4.2; 4.7.12.6 <u>1.7.12.8</u>
Carnivals and fairs	To conduct a carnival or fair	10.14.1 <u>10.1.2</u>
Change of occupancy	For the change of occupancy classification of an existing building	4.7.12.5 <u>1.7.12.8</u>
Combustible material storage	To store more than 2500 ft³ (70.8 m³) gross volume	10.19.2 <u>10.1.2</u> ; 19.1.1; 31.2
Construction	For the construction of a building or structure	4.7.12.2 <u>1.7.8</u>
Crop maze	To operate a crop maze	10.14.12.4 <u>10.1.2</u>
Fire alarm and detection systems and related equipment	For installation, modification, or removal from service of any fire alarm and detection systems and related equipment*	13.1.1.1; 4.7.12.6 <u>1.7.12.8</u>
Fire apparatus access roads	For the construction of a fire apparatus access road	18.1.2
Fire pumps and related equipment	For installation of, modification to, or removal from service of any fire pumps, jockey pumps, controllers, and generators*	13.1.1.1; 4.7.12.6 <u>1.7.12.8</u>
In-building emergency responder communications enhancement systems	To install and operate an in-building emergency responder communication enhancement system	11.10.1 <u>11.1.2</u>

Operations and Materials	Permit Required	Cross Reference Section Number
Means of egress	For the modification of a means of egress system in an existing building	4.7.12.6; 1.7.12.8
Oil- and gas-fueled heating appliances	To install oil- and gas-fired heating appliances	4.5.1.8; 1.1.2
Open fires	1. For kindling or maintaining an open fire 2. For additional permit requirements for open fires, see 10.10.4†	10.10.4; 10.10.1.2
Open flame devices	The use of tar pots, decorative torches, and other devices, machines, or processes liable to start or cause an unwanted fire.	10.10.9.1; 1.1.2
Parade floats	To use a parade float for public performance, presentation, spectacle, entertainment, or parade	10.17.1; 1.1.2
Photovoltaic systems	Installation and placement	1.12.1.2; 1.1.2
Places of assembly	To operate a place of assembly	10.14.1; 1.1.2; 20.1.1.1
Standpipe systems	For installation, modification, or removal from service of any standpipe system*	13.1.1.1; 4.7.12.6; 1.7.12.8
Special outdoor events	For the location and operation of special outdoor events	10.14.1; 1.1.2
Water supply system for fire flow	For the construction of a water supply system for fire flow	18.1.2

~~*Maintenance performed in accordance with this Code is not considered a modification and does not require a permit.~~

~~†Cooking and recreational fires are exempt and do not require a permit.~~

Chapter 10 General Safety Requirements

10.1 General.

10.1.1 Application.

Every new and existing building or structure shall be constructed...

10.1.2 Permits.

10.1.2 Permits.

Permits required by 10.1.2 shall be in accordance with Section 1.13.

10.1.2.1 Open fires.

10.1.2.1.1

Permits shall be required for the kindling or maintaining of open fires. (See 10.10.4)

10.1.2.1.2 [Move from 10.10.1.1]

Permits shall not be required for cooking and recreational fires.

10.1.2.1.3 [Move from 10.10.1.2]

Where burning is conducted on public property or the property of someone other than the permit applicant, the permit applicant shall demonstrate that permission has been obtained by the appropriate government agency, the owner, or the owner's authorized agent.

10.1.2.1.4 [Move from 10.10.1.3]

When limits for atmospheric conditions or hours restrict burning, such limits shall be designated in the permit restrictions.

10.1.2.1.5 [Move from 10.10.1.4]

Instructions or stipulations of permit shall be followed.

10.1.2.2 Open-Flame Devices.

Permits shall be required for the use open-flame devices. *(See 10.10.9)*

A.10.1.2.2

Open-flame devices include tar pots, decorative torches, and other devices, machines or processes liable to start or cause an unwanted fire. [Move from A.10.10.9.1] Areas for such use can include inhabited premises or designated campsites that maintain a defensible space in accordance with NFPA 1140.

10.1.2.3 Outdoor Fires.*

Permits shall be required to build, ignite, or maintain outdoors fires in or upon hazardous fire areas.

A.10.1.2.3 [Move from A.10.10.3.1]

Areas for such use can include inhabited premises or designated campsites where such fires are built in a permanent barbecue, portable barbecue, outdoor fireplace, incinerator, or grill.

10.1.2.4 Amusement Parks.

Permits shall be required for the construction, alteration, or operation of amusement park fire protection safety features. (See Section 10.14)

10.1.2.5 Carnivals and Fairs.

Permits shall be required to conduct a carnival or fair. (See Section 10.14)

10.1.2.6 Places of Assembly.

Permits shall be required to operate a place of assembly. (See Section 10.14)

10.1.2.7 Special Outdoor Events.

Permits shall be required for the location and operation of special outdoor events. (See Section 10.14)

10.1.2.8 Crop Mazes.

Permits shall be required to operate a crop maze. (See 10.14.12)

10.1.2.9 Parade Floats.

Permits shall be required to use a parade float for public performance, presentation, spectacle, entertainment, or parade. (See Section 10.17).

10.1.2.10 Storage of Combustible Materials.

Permits shall be required to store more than 2500 ft³ (70.8 m³) gross volume of combustible materials. (See Section 10.19)

Chapter 11 Building Services

11.1 General.

11.1.1. Application. (Reserved).

11.1.2 Permits.

Permits required by 11.1.2 shall be in accordance with Section 1.13.

11.1.2.1 Oil- and Gas-Fueled Heating Appliances.

Permits shall be required to install oil- and gas-fired heating appliances. (See 11.5.1.8)

11.1.2.2 In-Building Emergency Responder Communication Enhancement Systems.

11.1.2.2.1

Permits shall be required to install and operate an in-building emergency responder communication enhancement system. (See 11.10.1)

11.1.2.2.1 [Move from 11.10.1.2]

Where required by the AHJ, a renewable permit in accordance with 18.7.7 of NFPA 1225 shall be issued at the conclusion of successful acceptance testing.

11.1.2.3 Photovoltaic Systems.

Permits shall be required for the installation and placement of photovoltaic systems. (See 11.12.1.2)

Chapter 18 Fire Department Access and Water Supply

18.1.2 Permits.

Permits, ~~where required,~~ required by 18.1.8 shall ~~comply be in accordance with~~ with Section 1.13.

18.1.2.1 Fire Apparatus Access Roads.

Permits shall be required for the construction of a fire apparatus access road.

18.1.2.2 Water Supply System for Fire Flow.

Permits shall be required to for the construction of a water supply system for water flow.

Task Group Report – Proposed Action

DOC #	1
TC	Fundamentals of the Fire Code
TG #/NAME	Photovoltaic
TG CHAIR	Wade Palazini
TG MEMBERS	Steve Orłowski, Cathy Stashak, Dwayne Garriss, Brian Mosberian, Joe Cain* *Non-committee member

PROPOSED REVISION	Create a committee input.
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11.12.2.1.6.1 BIPV systems installed as the roof covering shall have markings to identify any areas with electrical hazards hidden from view to avoid ladder placement.

11.12.2.1.6.3 The AHJ shall be permitted to reduce or exempt marking requirements for BIPV systems installed as the roof covering when they are ~~installed in accordance with 690.12(B)(2) of NFPA 70.~~ listed in accordance with UL 3741.

NOTE TO FUN PV Working Group:

SEE PI No. 216-NFPA 1-2024:

Recommend the following language modification, in lieu of PI No. 216. It covers the update from a reference to 690.12 to a reference to UL 3741, without relocating the language. This modification maintains NFPA style by not using exceptions, and allows the AHJ flexibility on how to enforce.

11.12.3.1.3 The AHJ shall be permitted to reduce or modify roof access for BIPV systems installed as the roof covering when they are listed in accordance with ~~690.12(B)(2) of NFPA 70~~ UL 3741.

11.12.3.2.3* Access Pathways.

[Add as new first sentence in A.11.12.3.2.3] It is not the intent of this code to require access pathways on roofs with a pitch of 2 in 12 or less.

11.12.3.2.4 Setbacks at Ridge.

A.11.12.3.2.4 Where the term plan view area is used in this section, it is intended to apply to the entire roof area and not intended to apply to different roof planes separately.
(Consider adding plan view figure of roofs to show concept)

11.12.3.2.4.1

For PV arrays occupying up to 33 percent of the plan view [total](#) roof area, a minimum 18 in. (457 mm) setback shall be provided on either side of a horizontal ridge.

11.12.3.2.4.2

For PV arrays occupying more than 33 percent of the plan view [total](#) roof area, a minimum of 36 in. (914 mm) setback shall be provided on either side of a horizontal ridge.

11.12.3.2.5 Alternative Setbacks at Ridge.

11.12.3.2.5.1

For one- and two-family dwellings with an automatic sprinkler system installed within the dwelling in accordance with [13.3.2.18](#), for PV arrays occupying up to 66 percent of the plan view [total](#) roof area, a minimum 18 in. (457 mm) setback shall be provided on either side of a horizontal ridge.

11.12.3.2.5.2

For PV arrays occupying more than 66 percent of the plan view [total](#) roof area on sprinklered one- and two-family dwellings, a minimum 36 in. (914 mm) setback shall be provided on either side of a horizontal ridge.

11.12.3.4 ~~Emergency Escape and Rescue Openings. Secondary Means of Escape.~~

11.12.3.4.1 Where rooftop-mounted PV systems or BIPV systems installed as the roof covering are installed on a roof plane directly below ~~an emergency escape and rescue opening a secondary means of escape~~, a minimum 36 in. (914 mm) wide access pathway shall be provided to at least one ~~emergency escape and rescue opening secondary means of escape~~ for each sleeping room.

11.12.3.4.2 The AHJ shall be permitted to reduce or exempt access pathways at ~~emergency escape and rescue openings a secondary means of escape~~ for BIPV systems installed as the roof covering when they are listed in accordance with ~~690.12(B)(2) of NFPA 70 UL 3741~~.