



NATIONAL FIRE PROTECTION ASSOCIATION

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AGENDA

NFPA Building Code/Safety to Life Technical Committee on Building Service and Fire Protection Equipment (SAF/BLD-BSF) NFPA 101/5000 Second Draft Meeting (A2026)

July 18, 2025
11:00 a.m. – 5:00 p.m. (ET)

Microsoft Teams Meeting
To join the meeting, please contact jyee@nfpa.org

- 1. Call to order.** Raymond Grill.
- 2. Introductions.** See committee roster attached.
- 3. Chair report.** Raymond Grill.
- 4. Staff liaison report.** Stephen Ganoë.
- 5. Previous meeting minutes.** July 2024, Kansas City, MO. See attached.
- 6. Review Correlating Committee on Building Code previous meeting minutes.** See attached
 - a. Review FCRs related to Modular rooms/sleep pods
- 7. Review Correlating Committee on Safety to Life previous meeting minutes.** See attached
 - a. Review FCRs related to Modular rooms/sleep pods
- 8. NFPA 101 Second Draft.**
 - a. **Referenced Publications**
 - b. **Extracts.**
 - c. **Public Comments.** See attached.
 - d. **Committee Inputs.** See attached.
 - e. **Staff items for consideration.**
- 9. NFPA 5000 Second Draft.**
 - a. **Referenced Publications**
 - b. **Extracts.**
 - c. **Public Comments.** See attached.
 - d. **Staff Items for Consideration.**
- 10. Other business.**
- 11. Future meetings.**

12. Adjournment.

Address List No Phone

06/09/2025
Stephen Ganoe
BLD-BSF

Building Service and Fire Protection Equipment

Building Code

Raymond A. Grill	SE 03/02/2010	Stephen Ganoe	9/9/2022
Chair	BLD-BSF	Secretary (Staff-Nonvoting)	BLD-BSF
Ray Grill Consulting PLLC 13002 Graphite Court Clifton, VA 20124 Alternate: Kelly Finzel		National Fire Protection Association 1 Batterymarch Park Quincy, MA 02169-7471	
Jodi S. Balido	M 8/17/2018	Harry L. Bradley	E 1/1/1991
Principal	BLD-BSF	Principal	BLD-BSF
The LEGO Group 1600 Ruffin Mill Road Colonial Heights, VA 23834		Maryland State Fire Marshals Office 5 West Riding Drive Bel-Air, MD 21014 International Fire Marshals Association (IFMA)	
Kevin L. Brinkman	M 08/17/2015	Flora F. Chen	E 10/20/2010
Principal	BLD-BSF	Principal	BLD-BSF
National Elevator Industry, Inc. 1037 Woodland Knolls Road Metamora, IL 61548 National Elevator Industry Inc. Alternate: Sunny Kalola		Hayward Fire Department, California 777 B Street Hayward, CA 94541	
Stephen E. Dale	I 08/09/2012	Myron Lee Draper	U 04/09/2025
Principal	BLD-BSF	Principal	BLD-BSF
Cincinnati Insurance Company 6200 South Gilmore Road Fairfield, OH 45014-5141 Alternate: Michael Ehrmanntraut		US Department of Veterans Affairs 1349 Western Chapel Road New Windsor, MD 21776 Alternate: Franklin True	
Joe Duval	E 04/17/2024	David Fall	E 04/09/2025
Principal	BLD-BSF	Principal	BLD-BSF
State Of Connecticut Office Of State Fire Marshal 450 Columbus Boulevard #1304 Hartford, CT 06101 Connecticut State Fire Marshal/Connecticut Fire Marshals Association Alternate: Ignatius Kapalczynski		Massport Fire/Rescue 162 Harborside Drive Boston, MA 02128	
Kevin R. Hall	IM 12/07/2021	Bryan Lawrence Hoskins	SE 10/29/2012
Principal	BLD-BSF	Principal	BLD-BSF
American Fire Sprinkler Association (AFSA) 3206 Fait Avenue Baltimore, MD 21224 Alternate: Joshua P. McDonald		Oklahoma State University 522 Engineering North Stillwater, OK 74078	

Address List No Phone

06/09/2025
Stephen Ganoë
BLD-BSF

Building Service and Fire Protection Equipment

Building Code

Jeffrey M. Hugo	M 7/26/2007	Joseph M. Jardin	C 1/1/1991
Principal National Fire Sprinkler Association, Inc. 1088 West Borton Road Essexville, MI 48732-1541 Alternate: Jack P. Coffelt	BLD-BSF	Principal Fire Department City of New York (FDNY) 16 Dexter Court Hauppauge, NY 11788 NFPA Fire and Emergency Services (FES) Alternate: Greg Gottlieb	BLD-BSF
Richard L. Klinker	SE 1/1/1981	Jeffrey Lascar	IM 08/11/2020
Principal Klinker & Associates, Inc. 2355 Davidsonville Road Gambrills, MD 21054 Alternate: Claudia Hagood	BLD-BSF	Principal Comcast 20 Little Brook Court Rock Tavern, NY 12575-5102 Electronic Security Association	BLD-BSF
Daniel J. Lazarz	SE 8/9/2011	Dan Osobka	IM 08/23/2023
Principal Page Southerland Page 470 Atlantic Avenue, 7th Floor Boston, MA 02210-2228	BLD-BSF	Principal Brave Fire Protection 49841 Oakland Drive Shelby Township, MI 48315	BLD-BSF
Scott E. Panowitz	M 03/05/2012	Rodger Reiswig	M 1/10/2008
Principal BFPE International 7512 Connelley Drive Hanover, MD 21076 Fire Suppression Systems Association	BLD-BSF	Principal Johnson Controls 8057 Charlemont Road Goode, VA 24556 Alternate: Timmy Renfrow	BLD-BSF
Pamela Reno	M 12/02/2020	Richard Jay Roberts	M 10/20/2010
Principal Telgian Fire Protection Consultant 1623 Mapleview Court Streetsboro, OH 44241 Automatic Fire Alarm Association Alternate: John Houlihan	BLD-BSF	Principal Honeywell Fire Safety 624 Hammer Lane North Aurora, IL 60542-9155 National Electrical Manufacturers Association Alternate: Maria B. Marks	BLD-BSF
Kurt A. Ruchala	SE 3/1/2011	Craig Schraad	IM 12/07/2022
Principal Jensen Hughes 100 Quannapewitt Parkway Suite 401 Wakefield, MA 01880 Alternate: Joseph J. Watson	BLD-BSF	Principal Keller Fire & Safety 1138 Kansas Avenue Kansas City, KS 66105 National Association of Fire Equipment Distributors Alternate: Joe McElvaney	BLD-BSF
Mark Ryan Smith	IM 08/10/2022		
Principal Summit Fire & Security/Fire & Life Safety America 26125 Ridge Lane McKenney, VA 23228	BLD-BSF		

Address List No Phone

06/09/2025
Stephen Ganoë
BLD-BSF

Building Service and Fire Protection Equipment

Building Code

Jeffrey J. Van Rhyn, Jr.	L 08/10/2022	Todd W. Warner	M 07/29/2013
Principal Local 669 JATC Technology and Code Coordinator 3713 Vincelli Avenue North Las Vegas, NV 89031 United Assn. of Journeymen & Apprentices of the Plumbing & Pipe Fitting Industry Alternate: Kevin P. Holbrook	BLD-BSF	Principal Brooks Equipment Company, Inc. 450 Barrington Drive Asheville, NC 28803 Fire Equipment Manufacturers' Association Alternate: Roy C. Kimball	BLD-BSF
David M. Wyatt	U 3/2/2010	Jack P. Coffelt	M 04/12/2022
Principal Pacific Northwest National Laboratory-Battelle 2201 South Cleveland Street Kennewick, WA 99338	BLD-BSF	Alternate ServiceTrade/Asurio 5003 South Miami Boulevard Suite 500 Durham, NC 27703 National Fire Sprinkler Association Principal: Jeffrey M. Hugo	BLD-BSF
Michael Ehrmanntraut	I 04/17/2024	Kelly Finzel	SE 12/8/2015
Alternate The Cincinnati Insurance Companies 2727 Knox Station Road Chester, SC 29706 Principal: Stephen E. Dale	BLD-BSF	Alternate Arup 77 Water Street, 6th Floor New York, NY 10005 Principal: Raymond A. Grill	BLD-BSF
Greg Gottlieb	C 4/1/1993	Claudia Hagood	SE 7/1/1993
Alternate Hauppauge Fire District 855 Wheeler Road Hauppauge, NY 11788 NFPA Fire and Emergency Services (FES) Principal: Joseph M. Jardin	BLD-BSF	Alternate Klinker and Associates, Inc. 2455 Symphony Lane Gambrills, MD 21054 Principal: Richard L. Klinker	BLD-BSF
Kevin P. Holbrook	L 08/10/2022	John Houlihan	M 08/24/2021
Alternate Local 669 JATC 8921 Gerich Lilly Road West Jefferson, OH 43162 United Assn. of Journeymen & Apprentices of the Plumbing & Pipe Fitting Industry Principal: Jeffrey J. Van Rhyn, Jr.	BLD-BSF	Alternate Fire Command Systems, Inc. 7 Eustis Street, Unit B Saugus, MA 01906-4319 Automatic Fire Alarm Association Principal: Pamela Reno	BLD-BSF

Address List No Phone

06/09/2025
Stephen Ganoë
BLD-BSF

Building Service and Fire Protection Equipment

Building Code

Sunny Kalola	M 04/09/2025	Ignatius Kapalczynski	E 10/6/2000
Alternate TK Elevator 788 Circle 75 Parkway, SE Suite 500 Atlanta, GA 30339 National Elevator Industry Inc. Principal: Kevin L. Brinkman	BLD-BSF	Alternate Simsbury Fire District Deputy Fire Marshal 139 Selden Hill Drive West Hartford, CT 06107 Connecticut State Fire Marshal/Connecticut Fire Marshals Association Principal: Joe Duval	BLD-BSF
Roy C. Kimball	M 4/15/2004	Maria B. Marks	M 08/10/2022
Alternate Brooks Equipment Company, LLC. 10926 David Taylor Drive Suite 100 Charlotte, NC 28262 Fire Equipment Manufacturers' Association Principal: Todd W. Warner	BLD-BSF	Alternate Siemens 4001 Spruell Drive Kensington, MD 20895-1346 National Electrical Manufacturers Association Principal: Richard Jay Roberts	BLD-BSF
Joshua P. McDonald	IM 12/07/2021	Joe McElvaney	IM 12/07/2022
Alternate American Fire Sprinkler Association (AFSA) 12750 Merit Drive Suite 350 Dallas, TX 75251 Principal: Kevin R. Hall	BLD-BSF	Alternate The Hiller Companies 1818 W. Olney Avenue Phoenix, AZ 85041 National Association of Fire Equipment Distributors Principal: Craig Schraad	BLD-BSF
Timmy Renfrow	M 04/17/2024	Franklin True	U 08/29/2024
Alternate Johnson Controls 1520 Antioch Road Albany, GA 31705 Principal: Rodger Reiswig	BLD-BSF	Alternate US Department of Veterans Affairs Veterans Health Administration 13 McKinney Road Harswell, ME 04079 Principal: Myron Lee Draper	BLD-BSF
Joseph J. Watson	SE 12/06/2017	Stephen Ganoë	9/9/2022
Alternate Jensen Hughes 117 Metro Center Boulevard Suite 1002 Warwick, RI 02886 Principal: Kurt A. Ruchala	BLD-BSF	Staff Liaison National Fire Protection Association 1 Batterymarch Park Quincy, MA 02169-7471	BLD-BSF



NATIONAL FIRE PROTECTION ASSOCIATION

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MINUTES

NFPA Technical Committee on Building Service and Fire Protection Equipment (SAF/BLD-BSF) NFPA 101 First Draft Meeting (A2026)

July 9, 2024
8:00 am – 5:00 pm (CT)

Embassy Suites by Hilton Kansas City Plaza
Kansas City, MO

1. **Call to order.** Ray Grill, chair, called the meeting to order at 8:00 am on July 9, 2024.
2. **Introductions.** Attendees introduced themselves and identified their affiliation and NFPA staff took attendance.
3. **Chair report.** Ray Grill welcomed attendees and provided an overview of the meeting.
4. **Staff liaison report.** Stephen Ganoe provided an overview of the standards development process and the revision cycle schedule.
5. **Previous meeting minutes.** The minutes from July 2023, Microsoft Teams were approved without revision.
6. **Correlating Committee Direction for 2027 editions**
 - a. **Items 8.bi, 8.b.ii** The technical committee reviewed the fire alarm notification signal terminology (visual/visible) and created first revisions (see first draft report).
7. **NFPA 101 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/101.
8. **NFPA 5000 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/5000.
9. **Other Business.**
 - a. The technical committee requests that the correlating committee develop a task group to review the instances of “Where permitted/required in Chapters 11 through 43” and “Where permitted/required in other sections of this code” and make recommendations for similar language throughout the entirety of the code.

These minutes are considered preliminary until approved at the next committee meeting.

10. Future meetings. The next committee meeting will be summer 2025. A meeting notification will be posted at www.nfpa.org/101 and www.nfpa.org/5000 next when the meeting is scheduled.

11. Adjournment. The meeting was adjourned at 12:40 pm on 7/9/2024.

Attendees

Committee Members:

✓	Raymond A. Grill	Chair	Ray Grill Consulting PLLC
•	Richard L. Klinker	Principal	Klinker & Associates, Inc.
✓	David M. Wyatt*	Principal	Pacific Northwest National Laboratory-Battelle
✓	Richard Jay Roberts	Principal	Honeywell Fire Safety
✓	Flora F. Chen*	Principal	Hayward Fire Department, California
✓	Daniel J. Lazarz	Principal	Page Southerland Page
✓	Rodger Reiswig	Principal	Johnson Controls
✓	Stephen E. Dale*	Principal	Cincinnati Insurance Company
✓	Todd W. Warner	Principal	Brooks Equipment Company, Inc.
•	Jeffrey M. Hugo	Principal	National Fire Sprinkler Association, Inc.
✓	Scott E. Panowitz*	Principal	BFPE International
✓	Kevin L. Brinkman*	Principal	National Elevator Industry, Inc.
•	Joseph M. Jardin	Principal	Fire Department City of New York (FDNY)
✓	Kurt A. Ruchala	Principal	JENSEN HUGHES
✓	Harry L. Bradley*	Principal	Maryland State Fire Marshals Office
•	Mark Larson	Principal	Mark Larson and Associates LLC
✓	Jeffrey Lascar	Principal	Comcast
✓	Pamela Reno*	Principal	Telgian
✓	Bryan Lawrence Hoskins	Principal	Oklahoma State University
✓	Kevin Ryan Hall*	Principal	American Fire Sprinkler Association
✓	Jeffrey J. Van Rhyn, Jr.	Principal	Local 669 JATC
✓	Mark Ryan Smith	Principal	Summit Fire & Security/Fire & Life Safety America
✓	Craig Schraad*	Principal	Keller Fire & Safety
•	Dan Osobka	Principal	Brave Fire Protection
✓	Jodi S. Balido*	Principal	The LEGO Group
•	Joe Duval	Principal	State Of Connecticut
•	Peter Leszczak	Voting Alternate	US Department of Veterans Affairs
✓	Ignatius Kapalczynski*	Alternate	Simsbury Fire District
•	Roy C. Kimball	Alternate	Brooks Equipment Company, LLC.

•	Joseph J. Watson	Alternate	JENSEN HUGHES
•	Greg Gottlieb	Alternate	Hauppauge Fire District
✓	Claudia Hagood	Alternate	Klinker and Associates, Inc.
•	Kelly Finzel	Alternate	Arup
✓	John Houlihan*	Alternate	Fire Command Systems, Inc.
✓	Joshua P. McDonald*	Alternate	American Fire Sprinkler Association
✓	Jack P. Coffelt	Alternate	ServiceTrade/Asurio
•	Maria B. Marks	Alternate	Siemens Industry, Inc.
✓	Kevin P. Holbrook	Alternate	Local 669 JATC
✓	Joe McElvaney	Alternate	The Hiller Companies
✓	Michael Ehrmanntraut*	Alternate	The Cincinnati Insurance Companies
✓	Timmy Renfrow*	Alternate	Johnson Controls
✓	Stephen Ganoe	Staff Liaison	NFPA

Guests:

Sunny Kalola	TK Elevator
Daniel Buuck	NAHB
Benjamin Abrams	Pavion
Dwayne Garris	Synergy Consortium Group LLC
Tracy Vecchiarelli	NFPA
John A. Denhardt	AFSA
Patrick Bakaj	NFPA

*Participated by teleconference

Total number in attendance: 36



NATIONAL FIRE PROTECTION ASSOCIATION

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MINUTES

NFPA Correlating Committee on Building Code (BLD-AAC)

NFPA 5000 First Draft Meeting (A2026)

January 24, 2025
9 a.m. – 2 p.m. (ET)

NFPA Headquarters, Quincy, MA and
Microsoft Teams Remote Meeting

1. **Call to order.** P. Willse, chair, called the meeting to order at 9 a.m. on January 24, 2025.
2. **Introductions.** Attendees introduced themselves and identified their affiliation. K. Carr, NFPA staff, took attendance.
3. **Chair report.** P. Willse welcomed attendees and provided an overview of the meeting.
4. **Staff liaison report.**
 - a. NFPA staff provided an overview of the standards development process, the available actions by the correlating committee, and the A2026 revision cycle schedule.
 - b. No members declared that they had been retained to represent the interest of an entity that would be classified in an interest category different from their own with respect to a specific issue or issues that were addressed by the committee.
5. **Previous meeting minutes.** The minutes from February 13, 2024, Web/Teleconference were approved without revision.
6. **Liaison reports.**
 - i. **Sprinkler project.** W. Koffel. NFPA 13/NFPA 13R/NFPA 13D are open for Public Input. First Draft meetings will occur in August 2025. No apparent conflicts or concerns exist between revised sprinkler standards and NFPA 101/NFPA 5000.
 - ii. **Fire alarm project.** S. Clary. NFPA 72, 2025 edition, was published in late 2024. First Draft meetings are scheduled for July 2025. The topic of restricted audible mode operation (RAMO) notification was discussed.
7. **Correlating Committee task group reports.** The following task groups provided their reports and recommendations.
 - i. **Sprinkler system supervision.** Chair: J. Hugo. The task group provided a report, no revisions were made. The task group has been discharged with thanks.

These minutes are considered preliminary until approved at the next committee meeting.

- ii. **Occupant load terminology.** Chair: M. Crowley. The task group provided a report, no revisions were made. The task group was retained on the agenda. See attached.
- iii. **Modular rooms/Sleep pods.** Chair: H. Hopper. No report was provided. The task group was retained on the agenda.
- iv. **Short-term rental housing.** Staff reported the subject was referred to a task group of the Technical Committee on Residential occupancies as the issues appeared to be technical rather correlative. No correlating committee task group was appointed.
- v. **Exterior walls.** Staff provided a report. BLC and SCM addressed this topic during the First Draft meetings via a joint task group of both committees. The correlating committee task group was retained on the agenda. BLC/SCM chairs to provide a report at the next meeting.
- vi. **New task groups.** The following task groups were appointed to work subsequent to the meeting:
 - i. **NFPA 915.** TG Chair: J. Hugo. Members: M. Marks, NFPA 5000 Technical Committee chairs. Review First Revisions pertaining to NFPA 915 and determine the scope and application of this document within NFPA 5000.
 - ii. **Technical Committee Scopes.** See 10-b-vii.

8. Direction to all technical committees.

- i. **Separation of vertical buildings.** Staff provided a report. No action taken. BLC to review comment received via First Draft minutes at the Second Draft meeting.
- ii. **Fire alarm notification signal terminology.** Staff provided a report. BLD technical committees reviewed use of the terms *visual* and *visible* as they relate to fire alarm signals and revised, as needed, to align with NFPA 72, *National Fire Alarm and Signaling Code*. See the NFPA 5000 First Draft report for revisions.
- iii. **Non-NFPA extracts within NFPA 5000.** Staff provided a report. Applicable BLD technical committees reviewed extracts from non-NFPA documents as found within NFPA 5000. See the NFPA 5000 First Draft report for revisions.

9. Items to multiple technical committees.

- i. **Reference to NFPA 915.** Task group formed. See 6-f-i.
- ii. **Cybersecurity.** S. Clary, BSY member/BSY task group chair, provided a report. The Correlating Committee created FCR-9 to delete FR-8093, which provided a reference to a new Chapter 9/PI-125. The Correlating Committee requested that BSY review the topic of cybersecurity, consider providing annex material, and provide a report at the Correlating Committee Second Draft meeting.
- iii. **Lightning protection.** Report provided. No action taken.

10. NFPA 5000 First Draft.

- a. No First Correlating Revisions (FCRs) or Correlating Notes (CNs) were developed based on the Correlating Committee’s review of the NFPA 5000-A2026 TC Responses to Public Inputs, TC Committee Inputs, TC First Revisions, and TC Ballot Final Reports.
- b. Technical committee items.
 - i. TC on Assembly Occupancies (BLD-AXM):
 - 1. FCRs were developed in response to the request by the TC on Assembly Occupancies to modify Table 11.3.1.2 for consistency with the actions on FR-8140. See the First Draft Report for revisions.
 - 2. The correlating committee reviewed the request by the TC on Assembly Occupancies to revise 11.8.1.1 for coordination with 16.2.5.7.10.2 in FR-8143. BLD-MEA is encouraged to consider this topic at their Second Draft meeting to coordinate with NFPA 101. The occupancy chapters can modify core chapter requirements, so no conflict exists. (Note: this request inadvertently appeared as item xii.2 under BLD-MEA in the meeting agenda.)
 - ii. TC on Board and Care Facilities (BLD-BCF): Jo. Rickard, chair of the TC on Board and Care Facilities, reported that there were no items for correlating committee review from that technical committee.
 - iii. TC on Building Construction (BLD-BLC): M. Chrisman, chair of the TC on Building Construction, advised the Correlating Committee of a task group reviewing requirements pertaining to Annex D. No action.
 - iv. TC on Building Systems (BLD-BSY): The Correlating Committee reviewed CI-8070. No action was taken. Ja. Rickard, chair of the TC on Building Systems, will provide a report on Chapter 12 to the Correlating Committee at Second Draft.
 - v. TC on Building Service and Fire Protection Equipment (BLD-BSF): The correlating committee reviewed the request by the TC on Building Service and Fire Protection Equipment for the appointment of a task group to review the instances of “where permitted/required in Chapters 11 through 43” and “where permitted/required in other section of this code” for consistency. Following discussion, the chair requested staff provide a preliminary review at the correlating committee Second Draft meeting.
 - vi. TC on Detention and Correctional Occupancies (SAF-DET): J. Serafim, chair of the TC on Detention and Correctional Occupancies, reported that there were no items for correlating committee review from that technical committee.
 - vii. TC on Educational and Day-Care Occupancies (SAF-END): The correlating committee reviewed the committee scope revision proposed by the TC on Educational and Day Care Occupancies. Staff noted that at the previous Second Draft meeting, proposed scope revisions for all of the TCs were submitted for consideration by the Standards Council, however, additional inconsistencies were discovered. It was recommended that all of the NFPA 5000 TC scopes be reviewed holistically in conjunction with the

NFPA 101 TC scopes. A joint task group, with SAF-AAC, was appointed to review the recommended scope revisions from the previous revision cycle with consideration of the newly proposed revisions by the TC on Educational and Day Care Occupancies and provide a report at the correlating committee Second Draft meeting. Task group members: M. Marks (TG chair, BLD-AAC and SAF-AAC), Stan Harbuck (SAF-AAC), all SAF TC chairs, all BLD TC chairs, and David Hood, guest.

- viii. TC on Fire Protection Features (BLD-FIR): N. Wittasek, chair of the TC on Fire Protection Features, reported that there were no items for correlating committee review from that technical committee.
- ix. TC on Fundamentals of Safety to Life (BLD-FUN): C. Jelenewicz, chair of the TC on Fundamentals of Safety to Life, reported that there were no items for correlating committee review from that technical committee.
- x. TC on Health Care Occupancies (SAF-HEA): FCRs and CNs were developed in response to the requests by the TC on Health Care Occupancies (see the First Draft Report for actions):
 - 1. Revise 6.1.6.1 and A.6.1.6.1 for consistency with revisions to the definition of *ambulatory health care occupancy* and its related annex text in 3.3.454.1 and A.3.3.454.1.
 - 2. Revise 11.2.3.12 as shown in PI-34 for consistency with the action on 19.2.2.4.2 and 19.2.2.4.3 in FR-8171. Additionally, MEA should consider comparing NFPA 5000, FCR-4, 11.2.3.12, and NFPA 101, FCR-5, for 7.2.3.12, and determine if text style correlation should occur.
 - 3. Revise 33.3.4.3.1 for consistency with the new 19.4.4 in FR-8175. Additionally, for FUN, compare NFPA 5000, FCR-6, 33.3.4.3.1, and NFPA 101, FCR-6, for 11.8.5.3.1, and review two items: 1.) Determine if Level 2 in NFPA 5000 or Level 1 in NFPA 101 should be changed to correlate, and 2.) Determine if text style correlation should occur.
- xi. TC on Industrial, Storage, and Miscellaneous Occupancies (BLD-IND): J. Sisco, staff liaison to the Technical Committee on Industrial, Storage, and Miscellaneous Occupancies, reported that there were no items for correlating committee review from that technical committee.
- xii. TC on Interior Finish (BLD-INT): The correlating committee reviewed the request by the TC on Interior Finish and Contents (BLD-INT) for guidance on its scope as it relates to modular room and sleep pod requirements. Following discussion, it was determined that modular room and sleep pod requirements relating to fire performance of interior finish should be maintained by BLD-INT. General requirements should be maintained by the TC on Fundamentals of Safety to Life (BLD-FUN). Fire alarm notification requirements should be maintained by the TC on Building Service and Fire Protection Equipment (BLD-BSF). Any occupancy-specific requirements can be maintained by the occupancy technical committees, as needed. Several FCRs were

developed to relocate requirements not within the scope of BLD-INT to other chapters as appropriate. See the NFPA 5000 First Draft Report for actions.

xiii. TC on Means of Egress (BLD-MEA):

1. The correlating committee reviewed the request by the TC on Means of Egress to direct the occupancy technical committees to review the turnstile requirements in 11.2.1.11 to determine if they should be referenced in their chapters. The occupancy technical committees are so directed.
2. See 10-b-i-2.

xiv. TC on Mercantile and Business Occupancies (BLD-MER): J. Sisco, staff liaison to the TC on Mercantile and Business Occupancies, reported that there were no items for correlating committee review from that technical committee.

xv. TC on Residential Occupancies (BLD-RES): B. Cronin, acting chair of the TC on Residential Occupancies, reported that there were no items for correlating committee review from that technical committee.

xvi. TC on Structures, Construction, and Materials (BLD-SCM): M. Savage, chair of the TC on Structures, Construction, and Materials, reported that there were no items for correlating committee review from that technical committee.

xvii. Staff items: The correlating committee reviewed items drafted by staff. See the NFPA 5000 First Draft Report for related CNs and FCRs.

11. Other Business. J. Pauls, member, inquired about the location and scheduling for the Second Draft meeting in 2025. Additionally, a question was raised regarding the availability of the First Draft report. NFPA staff provided details and noted that any further questions should be directed to NFPA staff in advance of the meeting.

12. Future meetings. The next committee meeting will be November/December 2025. A meeting notification will be posted at www.nfpa.org/5000next when the meeting is scheduled.

13. Adjournment. The meeting was adjourned at 1:30pm on January 24, 2025.

Attendees

Committee Members:

X	Willse, Peter	Chair	Portland Fire Marshal's Office
X	Bellamy, Tracey*	Principal	American Fire Sprinkler Association
X	Frable, David*	Principal	US General Services Administration
X	Hansen, Raymond*	Principal	US Department of the Air Force
	Hopper, Howard	Principal	UL Solutions
X	Hugo, Jeffrey*	Principal	National Fire Sprinkler Association

	O'Connor, Daniel	Principal	American Hotel & Lodging Association
X	Roberts, Richard*	Principal	National Electrical Manufacturers
X	Savage, Michael*	Principal	Marion County Building Safety
X	Shah, Faimeen*	Principal	Vortex Fire Engineering Consultancy
X	Tubbs, Jeffrey	Principal	Arup
X	Tyree, David	Principal	American Wood Council
	Vinci, Leon	Principal	American Public Health Association
	Asp, Roland	Alternate	National Fire Sprinkler Association
X	Denhardt, John	Alternate	American Fire Sprinkler Association
	Keays, Jack	Alternate	Vortex Fire Consulting Inc.
	Laramée, Scott	Alternate	American Hotel & Lodging Association
X	Lisinski, Ed*	Alternate	American Wood Council
X	Marks, Maria*	Alternate	National Electrical Manufacturers
X	Pauls, Jake*	Alternate	American Public Health Association
X	Chrisman, Mark*	Nonvoting Member	TC on Building Construction
X	Crowley, Michael	Nonvoting Member	TC on Means of Egress
X	Dawe, Nicholas*	Nonvoting Member	TC on Mercantile and Business
X	Grill, Raymond*	Nonvoting Member	TC on Building Service and Fire Protection
X	Jelenewicz, Chris	Nonvoting Member	TC on Fundamentals
X	Koffel, William*	Nonvoting Member	TC on Health Care Occupancies
X	Lambert, Josh*	Nonvoting Member	TC on Assembly Occupancies
X	Mertens, Matthew*	Nonvoting Member	TC on Educational and Day-Care
X	Puchovsky, Milosh	Nonvoting Member	TC on Interior Finish & Contents
X	Rickard, James*	Nonvoting Member	TC on Building Systems
X	Rickard, John*	Nonvoting Member	TC on Board & Care Facilities
X	Serafim, Janna*	Nonvoting Member	TC on Detention & Correctional
X	Wittasek, Nathan	Nonvoting Member	TC on Fire Protection Features
X	Carr, Kevin	Staff Liaison	National Fire Protection Association

Guests:

Name:

Gregory Harrington	NFPA
Tracy Vecchiarelli	NFPA
Stephen Ganoe	NFPA
Jen Sisco	NFPA
Camille Levy	NFPA
Shane Clary	Bay Alarm Company/NFPA 72
Matt Davy	Arup
Stan Harbuck*	APHA
Rodger Reiswig*	Jonson Controls
Brad Cronin*	Avon MA FD
Chip Carson*	Carson Associates
Michael Pallett*	NFPA Cybersecurity Advisory Committee

*Participated by teleconference

Total number in attendance: 40



NATIONAL FIRE PROTECTION ASSOCIATION

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

MINUTES

NFPA Correlating Committee on Safety to Life (SAF-AAC)

NFPA 101 First Draft Meeting (A2026)

January 23, 2025
12 p.m. (ET)

NFPA Headquarters, Quincy, MA and
Microsoft Teams Remote Meeting

1. **Call to order.** Chair J. Tubbs called the meeting to order at 12 p.m. on January 23, 2025.
2. **Introductions.** G. Harrington, NFPA staff, took attendance.
3. **Chair report.** Chair J. Tubbs welcomed attendees and provided an overview of the meeting.
4. **Staff liaison report.**
 - a. Staff provided an overview of the standards development process, the available actions by the correlating committee, and the A2026 revision cycle schedule.
 - b. No members declared that they had been retained to represent the interest of an entity that would be classified in an interest category different from their own with respect to a specific issue or issues that were addressed by the committee.
5. **Previous meeting minutes.** The minutes of the February 13, 2024, Pre-First Draft meeting were approved as submitted.
6. **Liaison reports.**
 - a. Sprinkler project. W. Koffel reported that the NFPA 13/13R/13D are entering their next revision cycle and are currently open for Public Input. First Draft meetings will be held in August 2025. No apparent conflicts or concerns exist between the 2025 editions and NFPA 101.
 - b. Fire alarm project. S. Clary reported that NFPA 72-2025 has been published along with its full-color handbook. Merton Bunker has termed out as the correlating committee chair. A new chair is to be named at an upcoming Standards Council meeting. First Draft meetings for the next edition are scheduled for July 2025 at a location to be determined. Of potential interest to some NFPA 101 occupancy technical committees, requirements for restricted audible mode operation (RAMO) notification have been added for use where occupants might have an adverse response to sound and light.

These minutes are considered preliminary until approved at the next committee meeting.

7. Correlating Committee task group reports.

- a. Sprinkler system supervision: J. Hugo. The task group did not meet as its objectives were met last cycle. The task group was discharged with thanks.
- b. Modular rooms/sleep pods: H. Hopper. No report – the task group was retained on the agenda.
- c. Short-term housing rentals: Staff reported the subject was referred to a task group of the Technical Committee on Residential occupancies as the issues appeared to be technical rather than correlative. No correlating committee task group was appointed.

8. Correlating Committee direction to all technical committees.

- a. Separation of vertical buildings. Staff reported the applicable SAF-XXX technical committees reviewed the sections of NFPA 101 noted in item 8.a.i of the BLD/SAF-AAC Pre-First Draft Meeting Agenda for any inconsistencies as they relate to podium or pedestal construction and determined that no revisions were needed.
- b. Fire alarm notification signal terminology (*visual* vs. *visible*) for consistency with NFPA 72. Staff reported the SAF-XXX technical committees reviewed their use of the terms *visual* and *visible* as they relate to fire alarm signals and revised, as needed, to align with NFPA 72, *National Fire Alarm and Signaling Code*. See the NFPA 101 First Draft Report for revisions.
- c. Non-NFPA extracts within NFPA 101. Staff reported that the TC on Fundamentals revised the definition of *occupancy* to remove the extract from ASCE/SEI 7.

9. NFPA 101 First Draft.

- a. No First Correlating Revisions (FCRs) or Correlating Notes (CNs) were developed based on the correlating committee's review of the 101-A2026 TC Responses to Public Inputs, TC Committee Inputs, TC First Revisions, and TC Ballot Final Reports.
- b. Technical committee items.
 - i. TC on Assembly Occupancies (SAF-AXM):
 - 1. FCRs were developed in response to the request by the TC on Assembly Occupancies to modify Table 7.3.1.2 for consistency with the actions on FR-6650 and FR-6651. See the First Draft Report for revisions.
 - 2. The correlating committee reviewed the request by the TC on Assembly Occupancies to revise 7.8.1.1 for coordination with the new 12.2.5.7.10.2 in FR-6653. No action was taken as 12.2.5.7.10.2 applies to new assembly occupancies and 7.8.1.1 applies to both new and existing occupancies. The occupancy chapters can modify core chapter requirements, so no conflict exists. (Note: this request inadvertently appeared as item xi.2 under SAF-MEA in the meeting agenda.)

- ii. TC on Board and Care Facilities (SAF-BCF): The correlating committee reviewed the action on FR-6730 for consistency with FR-6705 at the request of the TC on Board and Care Facilities. No action.
- iii. TC on Building Service and Fire Protection Equipment (SAF-BSF): The correlating committee reviewed the request by the TC on Building Service and Fire Protection Equipment for the appointment of a task group to review the instances of “where permitted/required in Chapters 11 through 43” and “where permitted/required in other section of this code” for consistency. Following discussion, the chair requested staff provide a preliminary review at the correlating committee Second Draft meeting.
- iv. TC on Detention and Correctional Occupancies (SAF-DET): J. Serafim, chair of the TC on Detention and Correctional Occupancies, reported that there were no items for correlating committee review from that technical committee.
- v. TC on Educational and Day-Care Occupancies (SAF-END): The correlating committee reviewed the committee scope revision proposed by the TC on Educational and Day Care Occupancies. Staff noted that at the previous Second Draft meeting, proposed scope revisions for all TCs were submitted for consideration by the Standards Council, however, additional inconsistencies were discovered. A task group was appointed to further review the recommended scope revisions from the previous revision cycle with consideration of the newly proposed revisions by the TC on Educational and Day Care Occupancies. Following the meeting, Chair Tubbs and CC on Building Code Chair P. Willse determined it would be more efficient to appoint a joint correlating committee task group to permit the NFPA 101 and NFPA 5000 TC scopes to be reviewed holistically. The CC on Safety to Life task group that was appointed at the meeting was disbanded, and a new joint task group with the CC on Building Code was appointed. Task group members: M. Marks (TG chair, rep. both correlating committees), S. Harbuck (rep. SAF-AAC), D. Hood (guest TG member), all SAF-XXX technical committee chairs, and all BLD-XXX technical committee chairs.
- vi. TC on Fire Protection Features (SAF-FIR): N. Wittasek, chair of the TC on Fire Protection Features, reported that there were no items for correlating committee review from that technical committee.
- vii. TC on Fundamentals of Safety to Life (SAF-FUN): C. Jelenewicz, chair of the TC on Fundamentals of Safety to Life, reported that there were no items for correlating committee review from that technical committee.
- viii. TC on Health Care Occupancies (SAF-HEA): FCRs and CNs were developed in response to the requests by the TC on Health Care Occupancies (see the First Draft Report for actions):
 - 1. Revise 6.1.6.1 and A.6.1.6.1 for consistency with revisions to the definition of *ambulatory health care occupancy* and its related annex text in 3.3.207.1 and A.3.3.207.1.
 - 2. Revise 7.2.3.12(1) as shown in PI-34 for consistency with the action on 18.2.2.4 in FR-6699 and 19.2.2.4 in FR-6700.

3. Request that SAF-BSF review 9.6.2.6 for any needed clarification regarding the requirement for one manual fire alarm box (see PI-29).
 4. Revise 11.8.5.3.1 for consistency with the new 18.4.3.4 in FR-6634.
- ix. TC on Industrial, Storage, and Miscellaneous Occupancies (SAF-IND): J. Sisco, staff liaison to the Technical Committee on Industrial, Storage, and Miscellaneous Occupancies, reported that there were no items for correlating committee review from that technical committee.
- x. TC on Interior Finish (SAF-INT): The correlating committee reviewed the request by the TC on Interior Finish and Contents (SAF-INT) for guidance on its scope as it relates to modular room and sleep pod requirements. Following discussion, it was determined that modular room and sleep pod requirements relating to fire performance of interior finish, mattresses, and upholstered furniture should be maintained by SAF-INT. General requirements should be maintained by the TC on Fundamentals of Safety to Life (SAF-FUN). Fire alarm notification requirements should be maintained by the TC on Building Service and Fire Protection Equipment (SAF-BSF). Any occupancy-specific requirements can be maintained by the occupancy technical committees, as needed. Several FCRs were developed to relocate requirements not within the scope of SAF-INT to other chapters as appropriate. See the NFPA 101 First Draft Report for actions.
- xi. TC on Means of Egress (SAF-MEA): The correlating committee reviewed the request by the TC on Means of Egress to direct the occupancy technical committees to review the turnstile requirements in 7.2.1.11 to determine if they should be referenced in their chapters. The occupancy technical committees are so directed.
- xii. TC on Mercantile and Business Occupancies (SAF-MER): J. Sisco, staff liaison to the TC on Mercantile and Business Occupancies, reported that there were no items for correlating committee review from that technical committee.
- xiii. TC on Residential Occupancies (SAF-RES): B. Cronin, acting chair of the TC on Residential Occupancies, reported that there were no items for correlating committee review from that technical committee.
- xiv. Staff items: The correlating committee reviewed items drafted by staff. See the NFPA 101 First Draft Report for related CNs and FCRs. Additional items were noted as follows:
 1. All occupancy TCs are directed to review 9.6.2.10.3 and 9.6.3.3 as they relate to low frequency alarms and reference as needed at the Second Draft stage.
 2. All occupancy TCs are directed to review Section 9.16 as it relates to gas detection warning systems and NFPA 715 and reference as needed at the Second Draft stage.

10. Other business. It was noted that in September 2024, NFPA hosted a symposium to discuss recent proposals across the United States and Canada for local and state amendments to permit taller apartment buildings with only a single exit. The symposium aimed to outline current single exit stair allowances in the United States and in other countries, highlight both the positive aspects and areas of concern for the proposals, and identify any knowledge gaps. A summary report of the symposium is available to download at <https://www.nfpa.org/forms/single-exit-stair-symposium-report>.

11. Future meetings. The next correlating committee meeting will be held in December 2025 (dates and location to be determined). The meeting notice will be posted at www.nfpa.org/101next when the meeting is scheduled.

12. Adjournment. The meeting was adjourned at 4:23 p.m. (ET) on January 23, 2025.

Attendees

	Name:	Office:	Organization:
X	Tubbs, Jeffrey	Chair	Arup
X	Harrington, Gregory	Secretary (Staff-	National Fire Protection Association
X*	Bush, Kenneth	Principal	Maryland State Fire Marshals Office
X*	Carson, Wayne	Principal	Carson Associates, Inc.
X*	Harbuck, Stanley	Principal	American Public Health Association
	Hopper, Howard	Principal	UL Solutions
X*	Hugo, Jeffrey	Principal	National Fire Sprinkler Association
	Lucas, Jeffrey	Principal	International Fire Marshals Association
X*	Reiswig, Rodger	Principal	National Electrical Manufacturers
X*	Rosenbaum, Eric	Principal	American Health Care Association (AHCA)
X*	Savage, Michael	Principal	Marion County Building Safety
	Asp, Roland	Alternate	National Fire Sprinkler Association
X	Davy, Matthew	Alternate	Arup
X*	Marks, Maria	Alternate	National Electrical Manufacturers
X*	Pauls, Jake	Alternate	American Public Health Association
X	Crowley, Michael	Nonvoting Member	TC on Means of Egress
	Dawe, Nicholas	Nonvoting Member	TC on Mercantile & Business Occupancies
X*	Grill, Raymond	Nonvoting Member	TC on Building Service & Fire Protection
X	Jelenewicz, Chris	Nonvoting Member	TC on Fundamentals
X*	Koffel, William	Nonvoting Member	TC on Health Care Occupancies

X*	Lambert, Josh	Nonvoting Member	TC on Assembly Occupancies
X*	Mertens, Matthew	Nonvoting Member	TC on Educational & Day-Care
X	Puchovsky, Milosh	Nonvoting Member	TC on Interior Finish & Contents
X*	Rickard, John	Nonvoting Member	TC on Board & Care Facilities
X*	Serafim, Janna	Nonvoting Member	TC on Detention & Correctional
X	Wittasek, Nathan	Nonvoting Member	TC on Fire Protection Features
X	Clary, Shane	Alt. to Nonvoting	Signaling Systems Correlating Committee

Guests:

Name:

Brad Cronin*	Avon, MA FD
John Denhardt	American Fire Sprinkler Association
David Frable*	GSA
Raymond Hansen	US Department of the Air Force
David Hood*	Jensen Hughes rep AHCA
Ed Lisinski*	American Wood Council
Richard Roberts*	Honeywell
Jon Taluba	Chichester Fire
David Tyree	American Wood Council
Peter Willse*	Portland FM's Office
Kevin Carr	NFPA
Stephen Ganoe	NFPA
Camille Levy	NFPA
Jennifer Sisco	NFPA
Tracy Vecchiarelli	NFPA

*** DENOTES ATTENDED REMOTELY**

TOTAL NUMBER IN ATTENDANCE: 36 (15 IN PERSON, 21 REMOTE)



Public Comment No. 101-NFPA 101-2025 [Global Input]

See attached letter.

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
73721_NFPA_ltr_out.pdf		

Statement of Problem and Substantiation for Public Comment

NTSB investigations have repeatedly shown that building occupants need alarms to encourage them to evacuate a building in the case of a gas leak.

Related Item

.

Submitter Information Verification

Submitter Full Name: Brandi Baldwin

Organization: NTSB

Street Address:

City:

State:

Zip:

Submittal Date: Mon Jun 02 10:14:55 EDT 2025

Committee: SAF-BSF

National Transportation Safety Board

Office of the Chairman

Washington, DC 20594



April 8, 2025

Mr. Jim Pauley
President and Chief Executive Officer
National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169

Dear Mr. Pauley:

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. We determine the probable cause of the accidents and issue safety recommendations aimed at preventing future accidents. In addition, we carry out special studies concerning transportation safety and coordinate the resources of the federal government and other organizations to assist victims and their family members affected by major transportation disasters.

We are providing the following information to urge the National Fire Protection Association to act on the safety recommendations in this letter because we believe your organization can help reduce the risk of future accidents. For more information about the NTSB and our recommendation process, please see the attached one-page summary.

This letter also includes information about our March 18, 2025, report, *UGI Corporation Natural Gas-Fueled Explosion and Fire, West Reading, Pennsylvania, March 24, 2023*, NTSB/PIR-25/01. The details of this accident investigation and the resulting safety recommendations may be found in the attached report, which can also be accessed at <http://www.nts.gov>.

As a result of this investigation, we identified the following safety issues:

- Degradation of a retired Aldyl A service tee that was accelerated by elevated ground temperatures from a corroded and cracked steam pipe nearby.
- UGI Corporation's insufficient consideration of pipeline integrity threats, particularly Aldyl A service tees with Delrin inserts at elevated temperatures.

- Presence of unmarked and unreported private assets crossing public rights-of-way, excluding them from the Pennsylvania One Call System and increasing the risk of damage to them.
- Delayed evacuation of Palmer's Building 2 despite detection of natural gas by employees and others.
- Natural gas safety messaging from pipeline operator public awareness programs that may not reach certain members of the public.
- Insufficient guidance on natural gas emergency procedures.
- Absence of natural gas alarms in commercial buildings.
- Insufficient accessibility of gas distribution line valves.

Accordingly, the NTSB makes the following safety recommendations to the National Fire Protection Association (additional information regarding these recommendations can be found in the noted sections of the report):

- Revise National Fire Protection Association 54 (the National Fuel Gas Code) to provide for required installation of natural gas alarms that meet the specifications of National Fire Protection Association 715 for buildings that use natural gas. (P-25-15) (See section 2.5.1.)
- Revise the appropriate nationally adopted building or fire codes to provide for natural gas emergency procedures. (P-25-16) (See section 2.5.2.)

The NTSB is vitally interested in these recommendations because they are designed to prevent accidents and save lives. We would appreciate a response within 90 days of the date of this letter, detailing the actions you have taken or intend to take to implement these recommendations. When replying, please refer to the safety recommendations by number (Safety Recommendations P-25-15 and -16). We encourage you to submit your response to ExecutiveSecretariat@ntsb.gov. If your reply, including attachments, exceeds 20 megabytes, please e-mail us at the same address for instructions on how to send larger documents. Please do not submit both an electronic copy and a hard copy of the same response.

All communications regarding safety recommendations are stored by the NTSB and viewable by the public. Please do not send privileged or confidential communications in response to these recommendations. Responses marked as confidential or privileged (or similar designations) will be considered nonresponsive. In the likely event that your organization uses auto-generated and/or preformatted confidentiality statements on letterhead or outgoing e-mails, please include a statement in your letter indicating that the information can be publicly released. If you have concerns about this protocol, please contact us at ExecutiveSecretariat@ntsb.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jennifer L. Homendy", with a long, sweeping flourish extending to the right.

Jennifer L. Homendy
Chairman
On behalf of the entire Board

cc: Seth Statler
Director, Government Affairs, National Fire Protection Association



Public Comment No. 24-NFPA 101-2025 [Global Input]

Consider extracting requirements from NFPA 1 if the language comes from that code in accordance with the NFPA extract policy.

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
101_A2026_SAF_AAC_CCN_21.pdf	101_CC NOTE21	

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 21 Appeared in the First Draft Report on First Revisions No. 6511.

Consider extracting requirements from NFPA 1 if the language comes from that code in accordance with the NFPA extract policy.

Related Item

- FR 6511

Submitter Information Verification

Submitter Full Name: CC Notes

Organization: Notes

Street Address:

City:

State:

Zip:

Submittal Date: Thu Mar 06 11:01:34 EST 2025

Committee: SAF-BSF



Correlating Committee Note No. 21-NFPA 101-2025 [Sections 9.11.1, 9.11.2]

Submitter Information Verification

Committee: SAF-AAC

Submittal Date: Fri Jan 24 10:08:31 EST 2025

Committee Statement and Meeting Notes

Committee Statement: Consider extracting requirements from NFPA 1 if the language comes from that code in accordance with the NFPA extract policy.

First Revision No. 6511-NFPA 101-2024 [Sections 9.11.1, 9.11.2]

Ballot Results

✓ **This item has passed ballot**

10 Eligible Voters

0 Not Returned

10 Affirmative All

0 Affirmative with Comments

0 Negative with Comments

0 Abstention

Affirmative All

Bush, Kenneth E.

Carson, Wayne G. Chip

Harbuck, Stanley C.

Hopper, Howard

Hugo, Jeffrey M.

Lucas, Jeffrey A.

Reiswig, Rodger

Rosenbaum, Eric R.

Savage, Sr., Michael L.

Tubbs, Jeffrey S.



Public Comment No. 4-NFPA 101-2025 [New Section after 3.3.237]

TITLE OF NEW CONTENT

Consider Hall's affirmative comment: "Qualifications are typically determined by the local jurisdictions through the legislative process, since this is a Code, it may be appropriate in this document; however, its applicability and value in standards needs to be considered by the appropriate technical committees. The definition, if included in NFPA 101 needs to be extracted for consistency as it is used by other standards."

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
101_A2026_SAF_AAC_CCN_20.pdf	101_CC NOTE20	

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 20 Appeared in the First Draft Report on First Revisions No. 6505.

Consider Hall's affirmative comment: "Qualifications are typically determined by the local jurisdictions through the legislative process, since this is a Code, it may be appropriate in this document; however, its applicability and value in standards needs to be considered by the appropriate technical committees. The definition, if included in NFPA 101 needs to be extracted for consistency as it is used by other standards."

Related Item

- FR 6505

Submitter Information Verification

Submitter Full Name: CC Notes

Organization: Notes

Street Address:

City:

State:

Zip:

Submittal Date: Thu Mar 06 09:14:24 EST 2025

Committee: SAF-BSF



Correlating Committee Note No. 20-NFPA 101-2025 [New Section after 3.3.237]

Submitter Information Verification

Committee: SAF-AAC

Submittal Date: Fri Jan 24 10:03:59 EST 2025

Committee Statement and Meeting Notes

Committee Statement: Consider Hall's affirmative comment: "Qualifications are typically determined by the local jurisdictions through the legislative process, since this is a Code, it may be appropriate in this document; however, its applicability and value in standards needs to be considered by the appropriate technical committees. The definition, if included in NFPA 101 needs to be extracted for consistency as it is used by other standards."

First Revision No. 6505-NFPA 101-2024 [New Section after 3.3.237]

Ballot Results

✓ This item has passed ballot

10 Eligible Voters

0 Not Returned

10 Affirmative All

0 Affirmative with Comments

0 Negative with Comments

0 Abstention

Affirmative All

Bush, Kenneth E.

Carson, Wayne G. Chip

Harbuck, Stanley C.

Hopper, Howard

Hugo, Jeffrey M.

Lucas, Jeffrey A.

Reiswig, Rodger

Rosenbaum, Eric R.

Savage, Sr., Michael L.

Tubbs, Jeffrey S.



Public Comment No. 7-NFPA 101-2025 [Section No. 9.6.2.6]

9.6.2.6*

For fire alarm systems using automatic fire detection or waterflow detection devices to initiate the fire alarm system in accordance with Chapters 11 through 43, not less than one manual fire alarm box, located as required by the authority having jurisdiction, shall be provided to initiate a fire alarm signal.

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
101_A2026_SAF_AAC_CCN_39.pdf	101_CC NOTE39	

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 39 Appeared in the First Draft Report.

Review 9.6.2.6 for any needed clarification to the requirement for one manual fire alarm box where the fire alarm system is arranged to be initiated by a fire detection or sprinkler system (see PI-29).

Related Item

- CCN 39

Submitter Information Verification

Submitter Full Name: CC Notes

Organization: Notes

Street Address:

City:

State:

Zip:

Submittal Date: Thu Mar 06 09:37:34 EST 2025

Committee: SAF-BSF



Correlating Committee Note No. 39-NFPA 101-2025 [Section No. 9.6.2.6]

Submitter Information Verification

Committee: SAF-AAC

Submittal Date: Tue Jan 28 15:53:54 EST 2025

Committee Statement and Meeting Notes

Committee Statement: Review 9.6.2.6 for any needed clarification to the requirement for one manual fire alarm box where the fire alarm system is arranged to be initiated by a fire detection or sprinkler system (see PI-29).

Ballot Results

✓ This item has passed ballot

10 Eligible Voters

0 Not Returned

10 Affirmative All

0 Affirmative with Comments

0 Negative with Comments

0 Abstention

Affirmative All

Bush, Kenneth E.

Carson, Wayne G. Chip

Harbuck, Stanley C.

Hopper, Howard

Hugo, Jeffrey M.

Lucas, Jeffrey A.

Reiswig, Rodger

Rosenbaum, Eric R.

Savage, Sr., Michael L.

Tubbs, Jeffrey S.



Public Comment No. 38-NFPA 101-2025 [New Section after 9.6.3]

9.6.4.13 Building Alarm Identification Appliance

A listed exterior appliance with a flashing red strobe shall be required in accordance with NFPA 72.

9.6.4.14 Installation

(1) The exterior appliance shall be placed near a conspicuous location such as a vestibule, or as required by the fire department.

(a) For newly constructed buildings, a listed exterior appliance per Section 9.6.4.13 shall be mounted at a height between 10 ft (3.0 m) and 20 ft (6.1 m) above the lowest level of fire department vehicle access, unless otherwise approved by the fire department.

(b) In new high-rise buildings equipped with an emergency voice/alarm communications system as required by Section 9.6.3.10.2, a listed exterior appliance per Section 9.6.4.13 shall be installed at a height between 20 ft (6.1 m) and 40 ft (12.2 m) above the lowest level of fire department vehicle access, unless otherwise approved by the fire department.

9.6.4.15 Strobe Adjustment

Where an exterior appliance is installed, a lens attachment or replacement to modify the strobe output color to red shall be permitted, provided the modified or new appliance complies with NFPA 72 visibility and intensity requirements.

9.6.4.16 Special Provisions

(1) For buildings utilizing an emergency voice/alarm communications system per Section 9.6.3.10.2, a listed exterior speaker/visual appliance with a flashing red strobe shall be permitted.

(2) For systems requiring exterior audible alerts to warn occupants not to re-enter a burning building, a listed exterior audible/visual appliance with a flashing red strobe shall be permitted.

9.6.4.17 High Intensity Appliance

An exterior visual appliance featuring a listed high-intensity red flashing beacon to enhance visibility and alert emergency responders to occupant notification system activation shall be permitted, provided the flash rate does not exceed 2 flashes per second per NFPA 72.

9.6.4.18 Activation

(1) The exterior appliance shall only initiate a signal in response to an occupant notification system activation within the individual building.

(2) For detached or portable buildings containing a networked fire alarm system or an emergency voice/alarm communications system featuring multiple speaker circuits, the exterior appliance shall activate only for the specific building where the occupant notification signal was initiated.

(a) Positive alarm sequence shall be permitted in accordance with 9.6.3.5.

Statement of Problem and Substantiation for Public Comment

In occupancies equipped with fire alarm systems, the absence of a standardized, highly visible external alarm identification appliance, such as a flashing red strobe or beacon, creates significant challenges for emergency responders and building occupants. Firefighters and other emergency personnel often struggle to quickly identify whether a building's fire alarm system has been activated, especially in large complexes, low-visibility conditions such as rain, snow, fog, smoke, or haze, or during nighttime operations. This delay can hinder timely response, potentially exacerbating fire spread, property damage, and risk to life. Additionally, without a clear external visual cue, occupants who have evacuated may unknowingly attempt to re-enter a burning structure, mistaking the lack of visible signals for a resolved or false alarm. Current fire alarm systems, including speaker/strobes and horn/strobes, primarily focus on interior notification, leaving a critical gap in external alarm

identification.

Mandating a building alarm identification appliance with a flashing red strobe or beacon for occupancies requiring a fire alarm system addresses critical safety gaps by achieving two primary objectives. Local and state AHJs already require an exterior strobe, horn/strobe, or speaker/strobe appliance per code. First, a flashing red strobe provides a universally recognizable, high-visibility signal that immediately alerts firefighters and emergency personnel to an active fire alarm condition, enabling faster identification of the affected building, particularly in complex or densely built environments. This enhances response efficiency, reduces confusion, and supports safer firefighting operations, as responders can prioritize resources and tactics based on confirmed alarm activation. Second, the external flashing red strobe serves as a clear warning to occupants, reinforcing that the building remains unsafe and prohibiting re-entry until the alarm is deactivated by authorities. This visual deterrent mitigates the risk of occupants returning to a hazardous environment, thereby reducing potential injuries or fatalities. The use of red, a color widely associated with danger and emergency situations, ensures intuitive recognition by both trained responders and the general public. Integrating this requirement with existing speaker/strobe and horn/strobe systems leverages current infrastructure while standardizing external notification, aligning with the life safety goals of fire codes and standards.

**Related
Item**

- Requirement of an outdoor appliance with a flashing red strobe for occupant notification system activation identification by emergency responders.

Submitter Information Verification

Submitter Full Name: Hunter Cullen

Organization: The Fire Alarm Source

Affiliation: Self

Street Address:

City:

State:

Zip:

Submittal Date: Thu Apr 17 12:09:58 EDT 2025

Committee: SAF-BSF



Committee Input No. 6515-NFPA 101-2024 [Global Input]

Add the attached word doc as Chapter 44

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
NFPA_101_Cybersecurity_Chapter.docx	Chapter 44 Cybersecurity	

Submitter Information Verification

Committee: SAF-BSF

Submittal Date: Tue Jul 09 13:12:57 EDT 2024

Committee Statement

Committee Statement: The committee is seeking input from the public to determine how and if cybersecurity should be applied to NFPA 101. Cybersecurity is becoming an important part of life safety with the inclusion of connected systems being installed in buildings.

Response Message: CI-6515-NFPA 101-2024

Ballot Results

This item has not been balloted

4.2.6 Cybersecurity

Where required by governing laws, codes, or standards, cybersecurity shall be provided for required building systems and equipment, in accordance with Chapter 44.

Chapter 44 Cybersecurity

44.1 Cybersecurity Provisions.

44.1.1*

Where required by governing laws, codes, or standards, or other parts of this Code, cybersecurity shall be provided in accordance with Chapter 44 for equipment software, system support tools, installation methods, physical security of and access to equipment, data pathways, testing, and maintenance.

A.44.1.1

Cybersecurity is not required for every system or application; it is only required when other sections of this Code, authorities, or regulations mandate that cybersecurity be incorporated into the system(s). Generally, there are greater cybersecurity concerns when systems are connected to external networks.

44.1.2*

No minimum cybersecurity level shall be required for systems that meet both of the following conditions:

(1) No network connectable equipment

(2) No uploadable software configuration

A.44.1.2

An example of a system that requires no cybersecurity is a dip-switch configurable control unit with no network connection.

44.2* Network Connectable Equipment Software Development and Production Environments.

Development and production environments used to develop and manufacture network connectable equipment shall employ cybersecurity safeguards that are consistent with one or more of the following:

(1) The NIST Cybersecurity Framework (CSF) 2.0

(2) ISO/IEC 27001 , Information Security Management Systems

(3) IASME Consortium Cyber Essentials

(4) Other equivalent standards acceptable to a nationally recognized testing laboratory.

(5)* Other applicable laws and regulations

A.44.2

The security practices for the design, development, production, and service of network connectable equipment includes the overall cybersecurity posture of the manufacturing company itself. For example, it does not matter how well a system is designed or deployed from a cybersecurity perspective if the manufacturer does not adequately secure its own development, distribution systems. Threat actors can compromise products by installing covert back doors during initial development, or during the development and distribution of software updates.

A.44.2(5)

Other agencies using this Code might be required to meet specific laws and regulations pertaining to cybersecurity when installing any fire alarm or signaling systems. Therefore, system manufacturers, designers, and installers should be aware of any additional requirements needed to meet the specific laws and regulations.

44.3* Security Levels for Network Connectable Equipment.

All interfaces used to communicate with network connectable equipment shall be protected in accordance with the following:

(1) For non-internet protocol wired interfaces, one of the following:

- (a) Security Level 1 (SL1) in accordance with ANSI/ISA/IEC 62443-4-2, _ Security for Industrial Automation and Control Systems, Part 4-2: Technical Security Requirements for IACS Components
- (b) Security Level 1 (SL1) in accordance with ANSI/ISA/IEC 62443-3-3, _ Security for Industrial Automation and Control Systems, Part 3-3: System Security Requirements and Security Levels
- (c) Security Level 1 (SL1) in accordance with CAN/UL 2900-2-3, _ Software Cybersecurity for Network-Connectable Products, Part 2-3: Particular Requirements for Security and Life Safety Signaling Systems
- (d) Comparable level associated with Section 44.2(4)

(2) For non-internet protocol wireless, or internet protocol wired and wireless interfaces that do not connect to publicly accessible networks, one of the following:

- (a) Security Level 2 (SL2) in accordance with ANSI/ISA/IEC 62443-4-2
- (b) Security Level 2 (SL2) in accordance with ANSI/ISA/IEC 62443-3-3
- (c) Security Level 2 (SL2) in accordance with CAN/UL 2900-2-3
- (d) Comparable level associated with Section 44.2(4)

(3) For internet protocol wired or wireless interfaces that connect to publicly accessible networks, one of the following:

- (a) Security Level 3 (SL3) in accordance with ANSI/ISA/IEC 62443-4-2
- (b) Security Level 3 (SL3) in accordance with ANSI/ISA/IEC 62443-3-3
- (c) Security Level 3 (SL3) in accordance with CAN/UL 2900-2-3
- (d) Comparable level associated with Section 44.2(4)

44.4* Interconnecting Conductors, Cables, or Other Physical Pathways.

Interconnecting conductors, cables, or other physical pathways for use in Security Level 2 or higher applications in locations accessible to the public shall be protected by metal raceways or metal armored cables.

A.44.4

An assumption is often made that attacks are launched remotely from the internet. However, there are many examples of attackers gaining access to a facility to enable an attack. For example, a system that has no networking capability, with only a RS-232 serial port can be connected to an RS-232-to-Ethernet adapter. This could be intended benignly, as a way of enabling remote monitoring or remote service, but it is a risk that should be considered, nonetheless.

The protection by metal raceways or metal armored cables of interconnecting conductors, cables, or other physical pathways is also recommended for use in Security Level 1 applications. For improved physical security in systems where control units and data access points are not installed in restricted areas, using security tamper switches to produce a tamper signal for notification when an enclosure is opened should be considered. Tamper resistant fasteners can be employed on junction box covers to provide additional physical protection.

44.5 Network Connectable Equipment using Shared Pathways.

44.5.1

Network connectable equipment using the security levels required by Section 44.3 (2) through Section 44.3 (4) shall with comply with NFPA 72 2025 sections 23.6.3.3 through 23.6.3.5 and NFPA 72 2025 section 7.6.7.

44.5.2

Network connectable equipment that does not segregate life safety system data from non-life safety system data by means of separate and isolated equipment shall comply with NFPA 72 2025 sections 23.6.3.3 through 23.6.3.5 and NFPA 72 2025 section 7.6.7.

44.6 Unused Physical Data Ports.

All unused physical data ports shall be protected in at least one of the following ways:

- (1) Physically protected from unauthorized access
- (2) Administratively disabled
- (3) Configured to require a token-based authentication, certificate-based authentication, password, or other method that is consistent with the security requirements of the system

44.7* Data Connections to External Networks.

When any data connection is made from the system to an external network, the connection shall be protected by a gateway or firewall that ensures that only trusted traffic is allowed to pass.

A.44.7

Figure A.44.7 depicts typical system firewall/gateway operation. Such functionality when deployed, could take the form of physical hardware, firmware, or both. The firewall/gateway might be physically integrated into the control unit, as shown in the Integrated control unit graphic, or a separate device/service that interacts with the control unit, as shown in the nonintegrated control unit.

Many networks have additional protections such as multiple firewalls.

Figure A.44.7 System Typical Firewall/Gateway Operation. (Note to staff: see NFPA 72 2025 A.11.7 for figure)

44.8 Network Connectable Equipment Cybersecurity Software Updates.

44.8.1

At least quarterly, the equipment manufacturer(s) shall do the following until the equipment is no longer supported by the manufacturer:

- (1) Evaluate all relevant cybersecurity threats
- (2) Determine if a software update is required to maintain the cybersecurity level achieved in compliance with Section 44.2

44.8.2

The system installer shall provide the name and contact information of the system owner or their representative to the equipment manufacturer(s) at the time of system acceptance testing.

44.8.3*

The equipment manufacturer(s) shall notify the system owner or their representative of all required software security updates required to maintain the cybersecurity level achieved in compliance with Sections 44.2, 44.3, and 44.4

A.44.8.3

As security vulnerabilities are discovered, existing systems could be affected. It is important for manufacturers to provide solutions when vulnerabilities are discovered. Likewise, it is important to carefully manage the update and patch management infrastructure to ensure that corrections are available, have not been modified or spoofed, and are applied successfully.

44.8.4

Software for network connectable devices shall be maintained by installing software security updates as required by the equipment manufacturer(s) to maintain the cybersecurity level achieved in compliance with Sections 44.2, 44.3, and 44.4

44.8.5

Software security updates that are deemed necessary by the equipment manufacturer(s) for compliance with Section 44.3 shall be installed at least annually.

44.8.6

Cybersecurity software updates applied to gateways or firewalls that do not affect the system site-specific or system executive software shall not be required to comply with NFPA 72 2025 section 14.4.2.

44.8.7

Cybersecurity software changes to systems or system components shall be permitted to be made by remote access in accordance with NFPA 72 2025 section 23.8.2.11.3

44.9 Notification of Termination of Cybersecurity Update Support.

The manufacturer shall notify the system owner or their representative of the termination of cybersecurity software update support required by Section 44.8 for any element of the system.

44.10 Cybersecurity for System Support Tools.

A system support tool and the support tool interfaces shall comply with the requirements of Sections 44.2 through 44.9.

44.11 Evidence of Compliance.

44.11.1

Evidence of cybersecurity compliance shall include one or more of the following:

- (1) Certification of compliance by a nationally recognized testing laboratory
- (2) Manufacturer certification for the specific type and brand of system provided by the manufacturer
- (3) An assessment or certification program acceptable to the authority having jurisdiction

44.11.2

The validity of cybersecurity certificates shall be verified annually by the person testing the system.

44.11.3

The validity of the equipment manufacturers contact information for the system owner shall be verified annually by the person testing the system.

44.12 Documentation.

The standards used and security levels employed in complying with Chapter 44 shall be identified in the system documentation as required by the AHJ.



Committee Input No. 6520-NFPA 101-2024 [New Section after 4.2.5]

4.2.6 Cybersecurity

Where required by governing laws, codes, or standards, cybersecurity shall be provided for required building systems and equipment, in accordance with Chapter 44.

Submitter Information Verification

Committee: SAF-BSF

Submission Date: Wed Jul 10 09:54:58 EDT 2024

Committee Statement

Committee Statement: The committee is seeking input from the public to determine how and if cybersecurity should be applied to NFPA 101. Cybersecurity is becoming an important part of life safety with the inclusion of connected systems being installed in buildings. Associated with CI-6515

Response Message: CI-6520-NFPA 101-2024

Ballot Results

 This item has not been balloted

**Public Comment No. 56-NFPA 5000-2025 [Global Input]**

See attached letter.

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
73721_NFPA_ltr_out.pdf		

Statement of Problem and Substantiation for Public Comment

We are providing the attached information to urge the National Fire Protection Association to act on the safety recommendations in this letter because we believe your organization can help reduce the risk of future accidents.

Related Item

- First Revision No. 8034

Submitter Information Verification

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Submittal Date: Mon Jun 02 10:20:54 EDT 2025

Committee: BLD-BSF



Public Comment No. 3-NFPA 5000-2025 [New Section after 3.3.534]

TITLE OF NEW CONTENT

Consider Hall affirmative comment: Qualifications are typically determined by the local jurisdictions through the legislative process, since this is a Code, it may be appropriate in this document; however, its applicability and value in standards needs to be considered by the appropriate technical committees. The definition, if included in NFPA 5000 needs to be extracted for consistency as it is used by other standards.

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
5000_A2026_BLD_AAC_CCN_15.pdf	5000_CC NOTE15	

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 15 Appeared in the First Draft Report on First Revisions No. 8011.

Consider Hall affirmative comment: Qualifications are typically determined by the local jurisdictions through the legislative process, since this is a Code, it may be appropriate in this document; however, its applicability and value in standards needs to be considered by the appropriate technical committees. The definition, if included in NFPA 5000 needs to be extracted for consistency as it is used by other standards.

Related Item

- FR 8011

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Committee: BLD-BSF