



**Technical Committee on Fire and
Emergency Service Organization
and Deployment-Volunteer**

(FAD-AAA)

NFPA 1720 TC First Draft Meeting
September 14th and 15th, 2017
San Antonio, TX

AGENDA

1. Call to Order- Chairman Render
2. Introductions and Attendance
3. Review/Accept previous meetings minutes
4. NFPA Update-Ken H.
5. Address public inputs/Develop first revisions for 1720
 - Task Group - NFPA 1710 staffing levels.
 - Task Group – Wildland Urban Interface
 - Firefighter Cancer Studies – NFPA 1500
 - Census Bureau definitions: Urban, Suburban, & Rural
 - Average square feet / home size – changes 1720 & 1710 based upon 2000 square ft. ranch.
 - NFPA 1620 – Pre- Incident planning.
6. Next Meeting- workflow and timeline
7. Old Business/New Business
 - Request/reply -- NFPA Foundation.
8. Adjourn Meeting

**TECHNICAL COMMITTEE ON FIRE AND EMERGENCY SERVICE
ORGANIZATION AND DEPLOYMENT - VOLUNTEER**

NFPA 1720 Pre-First Draft Meeting

October 14, 2016

**NFPA Headquarters
1 Batterymarch Park
Quincy, MA**

Minutes

1. The meeting was called to order by Chair Render on October 14, 2016 at 8:00am (ET.)
2. Introductions of Attendees

Members Present

Greg L. Render, Chair, International Association of Fire Chiefs
Chris Barron, International Association of Fire Chiefs
Matt Epstein, Valley Ford Fire Department
Casey Hall, Kentucky Fire Commission
Adam Johnson, Emporium Volunteer Fire Department
Robert J. Kilpeck, National Volunteer Fire Council
David A. Moore, Jr., Glendale Fire Department
T. J. Nedrow, National Volunteer Fire Council
Thomas Rothdiener, Oriskany Fire Department
Michael D. Snyder, National Association of Towns and Townships
Richard Ulinski, Utica National Insurance Company
Christopher Willms, Sea Girt Fire Company #1
Ron J. Cheves, Alternate, International Association of Fire Chiefs
Michael T. Wixted, NFPA Staff Liaison
Elena Carroll, NFPA Project Administrator

Members Not Present

Scott R. Altemose, Trefoil Training & Technical Assistance
Curtiss Harris, Angel EMS/Raccoon Mountain Fire Department
David R. Harris, US Air Force
Steven W. Hirsch, National Volunteer Fire Council
Charles Lucas, Bolivar County Fire Department
Richard C. Maddox, Fire Department Safety Officers Association
Kenneth H. McMahon, Delaware Volunteer Firefighters Association

Peter A. McMahon, Empact America Inc.
Vernon J. Patton, First Energy Corporation
Michael P. Purtill, Canadian Volunteer Fire Service Association
Edward M. Raposo
Albert Silbaugh, Gibbstown Fire Department
Nicholas W. Sohyda, International Association of Fire Chiefs
Richard Trexler, Volunteer Firemen's Insurance Services, Inc.
Craig J. Craft, Voting Alternate, Association of Fire Districts/State of New York
William Bates, Alternate, Gibbstown Fire Department
Joseph R. Davis, Alternate, International Association of Fire Chiefs
Jim Fisher, Alternate, National Association of Towns and Townships
Jay Howell, Alternate, Volunteer Firemen's Insurance Services, Inc.
Gregory Jakubowski, Alternate, International Association of Fire Chiefs
Brent K. Marshall, Alternate, National Volunteer Fire Council
Ronald H. Marvel, Alternate, Delaware Volunteer Firefighters Association
David S. Ruton, Alternate, Fire Department Safety Officers Association
George Stevens, Alternate, National Volunteer Fire Council
Christopher R. Vaughan, Alternate, National Volunteer Fire Council
Edwards Conlin, NFPA Staff Liaison

3. Minutes from the October 12, 2012 Web Meeting approved.
4. History of the 1720 Standard provided.
5. Staff Liaison Michael Wixted provided briefing on NFPA policies and an overview of the Current & Prior Editions tab.
6. Staff Liaison Michael Wixted reviewed standard cycle and processes.
7. Staff Liaison Michael Wixted provided overview of the NFPA Enforcer Program.
8. Staff Liaison Michael Wixted discussed correlation of other standards (i.e. references and extracts).
9. Task Group formed to examine NFPA 1710 Response Levels (David A. Moore, Jr., Ron J. Cheves, Christopher Willms, Richard Ulinski & Michael D. Snyder)

Note: Expansion of Table 4.3.2 in relation to garden apartments, strip malls, hi-rises & other special hazards outside of a 2000 square foot home was identified as an item worth further exploration.

10. Task Group formed to examine NFPA 1720 Demand Zones and influence of expanding WUI incidents (Matt Epstein, T. J. Nedrow, Chris Barron & Greg L. Render)
11. Findings of U.L. and NIST research discussed.

12. Proposal to submit NFPA Research Fund (previously known as the “Code Fund”) approved.

Topic:

How many departments reference NFPA 1720 and do you utilize the information? If not, why?

Comments/suggestions to be submitted to Greg L. Render by October end, 2016.

13. Firefighter Cancer Studies and NFPA 1500 discussed (Staff to return with information on proposed changes on NFPA 1500).

14. Outcome of presentation on FireHouse.com and Ontario Fire Chiefs Association discussed.

15. Old Business.

None

16. New Business.

New topics in NFPA 1720 discussed and interested parties encouraged to submit Public Input.

17. Other Business.

None.

18. Date and Location of next meeting.

1st two weeks of September, 2017. Preferred location, 1st San Antonio, 2nd Austin & 3rd Quincy.

19. The meeting adjourned on October 14, 2016 at 11:09am.

Annual 2019 Revision Cycle

Process Stage	Process Step	Dates for TC	Dates for TC with CC
Public Input Stage (First Draft)	Public Input Closing Date*	6/28/2017	6/28/2017
	Final Date for TC First Draft Meeting	12/06/2017	9/06/2017
	Posting of First Draft and TC Ballot	1/24/2018	10/18/2017
	Final date for Receipt of TC First Draft ballot	2/14/2018	11/08/2017
	Final date for Receipt of TC First Draft ballot - recirc	2/21/2018	11/15/2017
	Posting of First Draft for CC Meeting		11/22/2017
	Final date for CC First Draft Meeting		1/03/2018
	Posting of First Draft and CC Ballot		1/24/2018
	Final date for Receipt of CC First Draft ballot		2/14/2018
	Final date for Receipt of CC First Draft ballot - recirc		2/21/2018
	Post First Draft Report for Public Comment	2/28/2018	2/28/2018
Comment Stage (Second Draft)	Public Comment Closing Date*	5/09/2018	5/09/2018
	Notice Published on Consent Standards (Standards that received no Comments) Note: Date varies and determined via TC ballot.		
	Appeal Closing Date for Consent Standards (Standards that received no Comments)		
	Final date for TC Second Draft Meeting	11/07/2018	8/01/2018
	Posting of Second Draft and TC Ballot	12/19/2018	9/12/2018
	Final date for Receipt of TC Second Draft ballot	1/09/2019	10/03/2018
	Final date for receipt of TC Second Draft ballot - recirc	1/16/2019	10/10/2018
	Posting of Second Draft for CC Meeting		10/17/2018
	Final date for CC Second Draft Meeting		11/28/2018
	Posting of Second Draft for CC Ballot		12/19/2018
	Final date for Receipt of CC Second Draft ballot		1/09/2019
	Final date for Receipt of CC Second Draft ballot - recirc		1/16/2019
	Post Second Draft Report for NITMAM Review	1/23/2019	1/23/2019
Tech Session Preparation (& Issuance)	Notice of Intent to Make a Motion (NITMAM) Closing Date	2/20/2019	2/20/2019
	Posting of Certified Amending Motions (CAMs) and Consent Standards	4/03/2019	4/03/2019
	Appeal Closing Date for Consent Standards	4/18/2019	4/18/2019
	SC Issuance Date for Consent Standards	4/28/2019	4/28/2019
Tech Session	Association Meeting for Standards with CAMs	6/20/2019	6/20/2019
Appeals and Issuance	Appeal Closing Date for Standards with CAMs	7/10/2019	7/10/2019
	SC Issuance Date for Standards with CAMs	8/07/2019	8/07/2019

TC = Technical Committee or Panel
CC = Correlating Committee

As of 4/12/2017



Public Input No. 1-NFPA 1720-2015 [Section No. 3.3.4.1]

3.3.4.1 Remote Area.

A geographic area that requires a travel distance of at least 8 miles from ~~from~~ (12.87km) from a fire station to provide emergency services.

Statement of Problem and Substantiation for Public Input

Adding the metric equivalent.

Submitter Information Verification

Submitter Full Name: Paul Prevost

Organization: Clearwater Regional Fire Rescu

Street Address:

City:

State:

Zip:

Submittal Date: Mon Dec 28 22:02:28 EST 2015



Public Input No. 2-NFPA 1720-2015 [Section No. 3.3.15.2]

3.3.15.2 Volunteer Fire Department.

A fire department having volunteer or part time "on call" emergency service personnel comprising 85 percent or greater of its department membership.

Statement of Problem and Substantiation for Public Input

In much of Western North America, many of the "volunteer" fire fighters are classed as permanent "part itme" employees of the municipality they serve. This is often done for workers compensation or Occupational health and safety classification reasons. These volunteer "part time" On call firefighters are often paid a set rate per call or per hour honorarium for responding to calls when notified via radio.pager or electronic medium, hence the term "on call". This change more accurately reflects the situation for many "volunteer" firefighters.

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Public Input No. 9-NFPA 1720-2017 [New Section after 4.3.1]

4.3.1.1 Individuals that are assigned the role of fire suppression personnel shall be qualified to NFPA 1001, Standard for Fire Fighter Professional Qualifications.

4.3.1.2 Individuals that are assigned the role of company officer shall be qualified to NFPA 1021, Standard for Fire Officer Professional Qualifications.

Statement of Problem and Substantiation for Public Input

All individuals responding as part of section 4.3 should be qualified to perform the fire suppression tasks that are expected of them. This ensures the intended fire suppression capability actually exists and the deployed staffing resources can complete their tasks efficiently, effectively, and safely. NFPA 1001 and NFPA 1021 establish the minimum qualification for individuals performing the JPRs of these positions. Therefore, both of those standards should be referenced as a minimum as part of the organizational statement.

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Submittal Date: Tue May 16 11:20:20 EDT 2017



Public Input No. 11-NFPA 1720-2017 [Section No. 4.3.2]

4.3.2 *

Table 4.3.2 shall be used by the AHJ to determine staffing and response time objectives for structural fire fighting, based on a low-hazard occupancy such as a 2000 ft² (186 m²), two-story, single-family home without basement and exposures and the percentage accomplishment of those objectives for reporting purposes as required in 4.4.2.

Table 4.3.2 Staffing and Response Time

<u>Demand Zone ^a</u>	<u>Demographics</u>	<u>Minimum Staff to Respond ^b</u>	<u>Response Time (minutes) ^c</u>	<u>Meets Objective ^d</u> (%)
Urban area	>1000 people/mi ²	15	9	90
Suburban area	500–1000 people/mi ²	10	10	80
Rural area	<500 people/mi ²	6	14	80
Remote area	Travel distance ≥ 8 mi	4	Directly dependent on travel distance	90
Special risks	Determined by AHJ	Determined by AHJ based on risk	Determined by AHJ	90

^a A jurisdiction can have more than one demand zone.

^b Minimum staffing includes members responding from the AHJs department and automatic aid

^c Response time begins upon completion of the dispatch notification and ends at the time interval shown in the table.

^d Applies individually to the Minimum Staff to Respond and the Response Time (minutes) columns.

Statement of Problem and Substantiation for Public Input

As currently written in the standard, it is questionable how the Meets Objective % should apply. Does it apply individually to each of the two columns or does it apply to the two columns on a collective basis. This can have a significant impact in determining compliance. (Example for four calls:

Urban Area

Call 1: 14 personnel responded	8 minute response time
Call 2: 16 personnel responded	10 minute response time
Call 3: 10 personnel responded	4 minute response time
Call 4: 20 personnel responded	12 minute response time

If the "meets objective" is calculated on an individual column basis, then personnel responded is 50% meets objective and response time is 50% meets objective. If it is calculated on a collective basis, then compliance is 0%. The way this is intended to be calculated makes a significant difference.

After reading the annex text, it appears to this writer that the 90% is calculated on an individual basis to each column and not a collective calculation. If this is not the case, then a note "d" is still needed in this column to provide clarity with a note stating something along the lines of "The Meets Objective % is calculated on a per call basis indicating compliance with both the Minimum Staff to Respond and Response Time (minutes) columns." Alternatively or in addition, providing an example of how to calculate this in the annex would help to greatly clarify how this calculation is to be applied.

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Submittal Date: Wed May 17 13:34:42 EDT 2017



Public Input No. 10-NFPA 1720-2017 [New Section after 4.4.1.2]

4.4.1.3 The fire department shall ensure the data from the incident reports is submitted to the National Fire Incident Reporting System (NFIRS).

Statement of Problem and Substantiation for Public Input

Data collection and analysis of such data is of utmost importance to making policy decisions on both a state and national level. If we do not understand the fire problem, we cannot respond to the fire problem. Local data collection is the first link in the chain to ensuring the fire service makes good data based decisions as to protection levels, risks and safety. There is no valid reason that a fire department should not be submitting its data to the National Fire Incident Reporting System through the appropriate channels.

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Submittal Date: Tue May 16 14:03:50 EDT 2017



Public Input No. 5-NFPA 1720-2017 [New Section after 4.4.3.2]

4.4.3.3 The report shall identify any deficiencies that are anticipated to develop in the next three years and address the steps that are necessary to continue to achieve compliance to this standard.

-

Statement of Problem and Substantiation for Public Input

The report should not only be a compliance document but should also be a planning document to inform policy makers of developing fire department needs that may need to be filled due to changes within the jurisdiction. As examples, the annexation of a large land area, redevelopment of existing areas to more intense development and development of rural areas can all contribute to future non-compliance with the standard. None of these conditions should develop as a surprise to policy makers or the fire department. It should be our role to communicate these anticipated future demands in the annual report to ensure the policy makers are communicated with planning information that can be incorporated into budget requests and capital improvement plans.

Submitter Information Verification

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Submittal Date: Tue May 09 13:53:00 EDT 2017



Public Input No. 12-NFPA 1720-2017 [Section No. 5.1.1]

5.1.1 *

A fire fighter occupational safety and health program shall be provided in accordance with NFPA 1500- to form the basic structure of protecting the health and safety of fire fighters, regardless of the scale of the department or the emergency .

Statement of Problem and Substantiation for Public Input

The language proposed to be deleted as part of this PI provides no additional value to this section. Providing the simple language that an NFPA 1500 program shall be provided is all that is required. This is similar to the way this item is addressed in NFPA 1710.

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Submittal Date: Wed May 17 15:25:37 EDT 2017



Public Input No. 6-NFPA 1720-2017 [Section No. 5.5]

5.5 Pre-Incident Planning.

5.5.1*

The fire department shall ~~set forth operational requirements~~ adopt policies and prodedures to conduct pre-incident planning.

5.5.

2-

~~Particular attention shall be provided to target hazards.~~

1.1 The policies and procedures shall address the following at a minimum:

(1) Types of occupancies to be pre-incident planned

(2) A risk based schedule to conduct initial and follow-up pre-incident planning of occupancies identified in (1)

(3) A process for the documentation of the collected pre-incident planning data

(4) A process for the reporting of code violation observed during the pre-incident planning process to the appropriate AHJ

(5) A pre-incident planning quality assurance system to ensure accountability within the pre-incident planning process

5.5.2

Pre-incident plans shlal be developed in compliance with NFPA 1620, *Standard for Pre-Incident Planning*

Statement of Problem and Substantiation for Public Input

The current 5.5 text is vague and provides almost no direction to users as to a standard of performance that should be implemented as to pre-incident planning. The language in the PI accomplishes two key objectives:

1. Provides a direct reference to NFPA 1620. Since there is an NFPA standard on pre-incident plans, there should be a reference to the 1620 standard as the expectation of performance in this section within the core text and not just the annex.

2. Provides details as to the components of a pre-incident planing policy/procedure. Each of the items listed are minimums that should be components of any basic pre-incident planning policy/procedure. It is important to note that the list of items does not mandate any particular schedule nor does it mandate any property have a pre-incident plan. It only directs that questions should be asked and answered by the fire department in a policy/procedure as to what properties receive a pre-incident plan and on what schedule.

Related Public Inputs for This Document

<u>Related Input</u>	<u>Relationship</u>
Public Input No. 7-NFPA 1720-2017 [Section No. 5.5.2]	

Submitter Information Verification

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Submittal Date: Wed May 10 10:26:43 EDT 2017



Public Input No. 7-NFPA 1720-2017 [Section No. 5.5.2]

5.5.2 –

~~Particular attention shall be provided to target hazards.~~

Statement of Problem and Substantiation for Public Input

The language in this section should be deleted. The term "target hazard" is undefined in this standard nor is it defined in NFPA 1620. Therefore, what exactly is a "target hazard" is unknown nor is the scope of what should be potentially considered to be a target hazard is unknown. In addition, the direction that "particular attention" should be paid to such hazards is of no value. What does "particular attention" mean? The use of vague undefined terms and multiple levels of safety that are created by the current wording violates the NFPA Manual of Style in two section.

The current language in this section violates the NFPA Manual of Style in two parts:

2.2.2* Unenforceable Terms.

2.2.2.1* The main text of codes and standards shall not contain references or requirements that are unenforceable and vague. (See 2.3.3 and 2.3.4.)

2.2.2.2 Unenforceable terms shall be allowed in recommended practices and guides.

and

2.2.3 Choices of Levels of Safety.

2.2.3.1* Codes and standards shall state specific criteria that minimize the judgment required by the users.

2.2.3.2* Multiple levels of safety shall not be used in any code or standard.

If the TC wishes to define the term "target hazards" and provide a specific standard for fire departments to comply with, that approach would be an alternative to deleting this section and it would then comply with the MOS.

Related Public Inputs for This Document

<u>Related Input</u>	<u>Relationship</u>
Public Input No. 6-NFPA 1720-2017 [Section No. 5.5]	Similar Topic

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Submittal Date: Wed May 10 10:36:58 EDT 2017



Public Input No. 8-NFPA 1720-2017 [New Section after A.1.1.1]

A.1.1.4 NFPA 1730, Standard on Organization and Deployment of Fire Prevention Inspection and Code Enforcement, Plan Review, Investigation, and Public Education Operations, should be consulted for fire prevention, community education and fire investigation services.

Statement of Problem and Substantiation for Public Input

NFPA 1730 has now been produces that addresses these specific services. There should be a pointer in the Annex text that directs a user to the appropriate document that addresses these specific services.

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Submittal Date: Wed May 10 10:54:53 EDT 2017