



First Revision No. 1-NFPA 17A-2021 [Global Input]

Revise UL 300 and UL 1254 to CAN/UL/ULC 300 and CAN/UL/ULC 1254 throughout the document.

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Mon Sep 27 12:17:47 EDT 2021

Committee Statement

Committee Statement: Revised to reflect that these standards are now bi-national standards and should be referenced as such throughout the document. It is not accurate to change the instances of UL 300A.

Response Message: FR-1-NFPA 17A-2021

[Public Input No. 15-NFPA 17A-2021 \[Section No. D.1.2.2\]](#)

[Public Input No. 13-NFPA 17A-2021 \[Section No. 5.1 \[Excluding any Sub-Sections\]\]](#)

[Public Input No. 14-NFPA 17A-2021 \[Section No. C.1\]](#)



First Revision No. 17-NFPA 17A-2021 [Chapter 2]

Chapter 2 Referenced Publications

2.1 General.

The documents or portions thereof listed in this chapter are referenced within this standard and shall be considered part of the requirements of this document.

2.2 NFPA Publications.

National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471.

NFPA 70[®], National Electrical Code[®], 2020 2023 edition.

NFPA 72[®], National Fire Alarm and Signaling Code[®], 2019 2022 edition.

NFPA 96, Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations, 2021 2024 edition.

2.3 Other Publications.

2.3.1 UL Publications.

Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.

UL CAN/UL/ULC 300, Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment, 2019.

UL CAN/UL/ULC 1254, Pre-Engineered Dry and Wet Chemical Extinguishing System Units, 2019 2020 .

2.3.2 Other Publications.

Merriam-Webster's Collegiate Dictionary, 11th edition, Merriam-Webster, Inc., Springfield, MA, 2003.

2.4 References for Extracts in Mandatory Sections.

NFPA 17, Standard for Dry Chemical Extinguishing Systems, 2021 2024 edition.

NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, 2020 2023 edition.

NFPA 72[®], National Fire Alarm and Signaling Code[®], 2019 2022 edition.

NFPA 96, Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations, 2021 2024 edition.

NFPA 820, Standard for Fire Protection in Wastewater Treatment and Collection Facilities, 2020 2024 edition.

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
17A-2021_Chapter_2_Final.docx	For staff use only	

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Tue Sep 28 13:43:51 EDT 2021

Committee Statement

Committee Statement: Reference updates. Please see attached word document for proposed changes.

Response Message: FR-17-NFPA 17A-2021

Public Input No. 12-NFPA 17A-2021 [Section No. 2.3.1]



First Revision No. 7-NFPA 17A-2021 [Section No. 4.4.3.3]

4.4.3.3

All manual actuators shall be provided with operating instructions.

4.4.3.3.1

These instructions shall ~~be permitted to include the use of pictographs and shall~~ have lettering at least ¼ in. (6.35 mm) in height.

4.4.3.3.2

These instructions shall be permitted to include the use of pictographs.

4.4.3.5

~~All readily accessible manual operating devices shall identify the hazards they protect.~~

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Mon Sep 27 12:57:30 EDT 2021

Committee Statement

Committee Statement: The language in 4.4.3.3, 4.4.3.3.1, and 4.4.3.3.2 is appropriate in the component chapter. Language in 4.4.3.5 is redundant since similar language is found in 5.2.1.10, and more appropriate in the installation chapter. 4.4.3.4 was split into two parts and renumbered to comply with the Manual of Style.

Response Message: FR-7-NFPA 17A-2021

Public Input No. 7-NFPA 17A-2021 [Sections 4.4.3.3, 4.4.3.4, 4.4.3.5]



First Revision No. 12-NFPA 17A-2021 [Chapter 5 [Title Only]]

System Requirements Systems for the Protection of Commercial Cooking Operations

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Mon Sep 27 23:53:35 EDT 2021

Committee Statement

Committee Statement: Chapter 6 addresses mobile equipment and chapter 5 addresses commercial cooking. The title of chapter 5 should be updated to match the content.

Response Message: FR-12-NFPA 17A-2021

Public Input No. 3-NFPA 17A-2021 [Chapter 5 [Title Only]]



First Revision No. 23-NFPA 17A-2021 [Section No. 5.2.1.10.2]

5.2.1.10.2*

The manual ~~actuation device~~ actuator shall clearly identify the hazard protected and be provided with instructions for its use. [96:10.5.1.2]

5.2.1.10.2.1

These instructions shall have lettering at least $\frac{1}{4}$ in. (6.35 mm) in height.

5.2.1.10.2.2

These instructions shall be permitted to include the use of pictographs.

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Mon Oct 04 14:33:21 EDT 2021

Committee Statement

Committee Statement: The language in 5.2.1.10.2 was updated to reflect a proposed change to the language in the next edition of NFPA 96. The language in 5.2.1.10.2.1 and 5.2.1.10.2.2 was separated into two requirements to comply with the manual of style. The language is important to include within the installation chapter to ensure a proper installation.

Response Message: FR-23-NFPA 17A-2021

Public Input No. 8-NFPA 17A-2021 [New Section after 5.2.1.10.2]



First Revision No. 16-NFPA 17A-2021 [Section No. 5.2.1.10.3]

5.2.1.10.3*

Manual ~~actuation devices~~ actuators installed in locations where accidental operation could occur shall be provided with a guard where required by the authority having jurisdiction.
[96:10.5.1.3]

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Tue Sep 28 11:49:19 EDT 2021

Committee Statement

Committee Statement: Language updated to reflect proposed change in next edition of NFPA 96.

Response Message: FR-16-NFPA 17A-2021



First Revision No. 4-NFPA 17A-2021 [Section No. 6.3.5.9]

6.3.5.9

Upon actuation of an automatic fire-extinguishing system, an audible alarm or visual indicator shall be provided to show that the system has ~~activated~~ actuated . [96:10.6.1]

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Mon Sep 27 12:34:25 EDT 2021

Committee Statement

Committee Statement: This proposed change is editorial. This paragraph references NFPA 96:10.6.1 which uses the word "actuated".

Response Message: FR-4-NFPA 17A-2021

[Public Input No. 1-NFPA 17A-2021 \[Section No. 6.3.5.9\]](#)



First Revision No. 22-NFPA 17A-2021 [Section No. 6.3.5.10]

6.3.5.10

The manual ~~actuation device~~ actuator shall clearly identify the hazard protected and be provided with instructions for its use. [96:10.5.1.2]

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Wed Sep 29 23:59:57 EDT 2021

Committee Statement

Committee Statement: Reference updated to reflect proposed change to in next edition of NFPA 96.

Response Message: FR-22-NFPA 17A-2021



First Revision No. 5-NFPA 17A-2021 [Section No. 6.3.7.6]

6.3.7.6

Wet chemical containers and expellant gas assemblies shall be located per the manufacturer's limitations where they will not be exposed to the fire in the protected area or otherwise rendered inoperable by mechanical damage, ~~unless approved by the authority having jurisdiction~~ .

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Mon Sep 27 12:36:28 EDT 2021

Committee Statement

Committee Statement: This requirement should be updated to match 5.4.6.

Response Message: FR-5-NFPA 17A-2021

[Public Input No. 2-NFPA 17A-2021 \[Section No. 6.3.7.6\]](#)



First Revision No. 9-NFPA 17A-2021 [Section No. 7.3.4]

7.3.4

Information shall be submitted pertaining to the following:

- (1) The location and function of detection devices and manual actuators
- (2) Operating devices
- (3) Auxiliary equipment
- (4) Electrical circuitry

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Mon Sep 27 13:32:56 EDT 2021

Committee Statement

Committee Statement: The standard requires at least one manual actuator to be located "in the path of egress or at a location acceptable to the AHJ." Requiring that their location be shown on the plans allows the AHJ to approve that position prior to seeing the device installed and perhaps requiring its relocation.

Response Message: FR-9-NFPA 17A-2021

[Public Input No. 10-NFPA 17A-2021 \[Section No. 7.3.4\]](#)



First Revision No. 3-NFPA 17A-2021 [Section No. 7.4.7]

7.4.7 Review of Manual Release Devices Actuators .

Verification that all manual devices (~~manual pull stations~~) actuators are readily accessible and accurately identified shall be required.

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Mon Sep 27 12:23:19 EDT 2021

Committee Statement

Committee Statement: Elsewhere in the standard, devices that manually actuate the system are called manual actuators. Changing the language here is for consistency.

Response Message: FR-3-NFPA 17A-2021

Public Input No. 11-NFPA 17A-2021 [Section No. 7.4.7]



First Revision No. 13-NFPA 17A-2021 [Section No. 8.3.5 [Excluding any Sub-Sections]]

Fixed temperature-sensing elements, other than the fusible metal alloy–type and glass bulb–type, shall be permitted to remain continuously in service, provided they are inspected and cleaned or replaced, if necessary, in accordance with the manufacturer's instructions, every 12 months or more frequently to ensure proper operation of the system.

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Tue Sep 28 10:34:26 EDT 2021

Committee Statement

Committee Statement: Section 8.3.5 was updated to match the language of section 8.3.4.

Response Message: FR-13-NFPA 17A-2021



First Revision No. 6-NFPA 17A-2021 [Chapter B]

B-deleted Vehicle Fire Suppression Systems-DELETED

This annex is not a part of the requirements of this NFPA document but is included for informational purposes only.

B.1

~~Only pre-engineered wet chemical systems, including detection systems that have been listed for such use, should be used for vehicle fire suppression systems and should not include cooking appliances inside the vehicle.~~

B.2

~~Compartments or areas that could be subject to fire should be protected in accordance with the manufacturer's design, installation, and maintenance manual.~~

B.3

~~Each protected compartment or area should be provided with a listed fire detection device specified in the manufacturer's design, installation, and maintenance manual to automatically actuate the extinguishing system.~~

B.4

~~Manual actuation should be permitted to be provided only if acceptable to the authority having jurisdiction.~~

B.5

~~Only the flexible hose and hose fittings specified in the manufacturer's design, installation, and maintenance manual should be used.~~

B.6

~~All discharge nozzles should be located to minimize the likelihood of damage or misalignment and within the limitations and constraints of the manufacturer's design, installation, and maintenance manual.~~

B.7

~~Location of agent containers, expellant gas cartridges or cylinders, and a manual actuator station(s) should be appropriate to each application, protected against physical damage, and accessible.~~

B.8

~~At least one easily accessible manual actuator or operating device should be provided for use by the equipment operator.~~

B.9

~~An additional manual actuator or operating device should be located, if practical, so that it is in the path of egress and operable from the ground level.~~

B.10

~~If the system is provided with a discharge delay device, both audible and visual alarms should be provided to warn of impending system discharge.~~

B.11

~~In the event of system discharge, the vehicle being protected should not be returned to service until the system is recharged and operational.~~

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Mon Sep 27 12:43:59 EDT 2021

Committee Statement

Committee Statement: Annex B was added to the 2017 edition of 17A for information only and as a placeholder while language was developed to incorporate into the body of the standard. That was accomplished in the last revision and became Chapter 6 in the 2021 edition, making Annex B unnecessary and, potentially, even in conflict with the new Chapter 6. Annex B should be deleted and the remaining Annexes designated accordingly.

Response Message: FR-6-NFPA 17A-2021

[Public Input No. 4-NFPA 17A-2021 \[Chapter B\]](#)



First Revision No. 18-NFPA 17A-2021 [Chapter D]

Annex C Informational References

C.1 Referenced Publications.

The documents or portions thereof listed in this annex are referenced within the informational sections of this standard and are not part of the requirements of this document unless also listed in Chapter 2 for other reasons.

C.1.1 NFPA Publications.

National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471.

NFPA 10, *Standard for Portable Fire Extinguishers*, 2018 2022 edition.

NFPA 72[®], *National Fire Alarm and Signaling Code*[®], 2019 2022 edition.

NFPA 96, *Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations*, 2021 2024 edition.

C.1.2 Other Publications.

C.1.2.1 ASTM Publications.

ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959.

IEEE/ASTM SI 10, *American National Standard for Metric Practice*, 2016.

C.1.2.2 UL Publications.

Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.

UL CAN/UL/ULC 300, *Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment*, 2019.

UL 300A, *Outline of Investigation for Extinguishing System Units for Residential Range Top Cooking Surfaces*, 2006.

CAN/UL/ULC 1254, *Pre-Engineered Dry and Wet Chemical Extinguishing System Units*, 2020.

C.2 Informational References.

The following documents or portions thereof are listed here as informational resources only. They are not a part of the requirements of this document.

C.2.1 US Government Publications.

US Government Publishing Office, 732 North Capitol Street, NW, Washington, DC 20401-0001.

Title 49, Code of Federal Regulations, Parts 170–190.

C.3 References for Extracts in Informational Sections.

NFPA 17, *Standard for Dry Chemical Extinguishing Systems*, 2021 2024 edition.

NFPA 96, *Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations*, 2021 2024 edition.

Supplemental Information

File Name

Description

Approved

17A-2021_Annex_D_Final.docx

For staff use only

Submitter Information Verification**Committee:** DRY-AAA**Submittal Date:** Wed Sep 29 23:37:17 EDT 2021**Committee Statement****Committee Statement:** Updated references. Please see attached word document for proposed changes.**Response Message:** FR-18-NFPA 17A-2021