



First Revision No. 12-NFPA 17A-2024 [Detail]

[Make changes to Table C.1 as shown below.]

Connection to fire alarm system (if applicable)	Inoperable	X	X
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Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
17A-A2026_PI18.docx	For editorial use	
17A_Detail_FR-12_legislative_changes.docx	for prod use	

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Thu Oct 10 11:45:46 EDT 2024

Committee Statement

Committee Statement: The table was adjusted to match the definitions of impairment and deficiency.

Response Message: FR-12-NFPA 17A-2024

Public Input No. 18-NFPA 17A-2024 [Section No. C.1]



First Revision No. 9-NFPA 17A-2024 [Section No. 2.3]

2.3 Other Publications.

2.3.1 UL Publications.

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

ANSI/ CAN/UL/ULC 300, *Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment*, 2019 2024 .

ANSI/ CAN/UL/ULC 1254, *Pre-Engineered and Engineered Dry and Pre-Engineered Wet Chemical Extinguishing System Units*, 2019 2022 .

ANSI/CAN/UL/ULC 710B, *Recirculating Systems* , 2021.

2.3.2 Other Publications.

Merriam-Webster's Collegiate Dictionary, 11th edition, Merriam-Webster, Inc., Springfield, MA, 2003 2020 .

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Wed Oct 09 13:29:46 EDT 2024

Committee Statement

Committee Statement: References updated.

Response Message: FR-9-NFPA 17A-2024

Public Input No. 7-NFPA 17A-2024 [Section No. 2.3.1]

Public Input No. 11-NFPA 17A-2024 [Section No. 2.3.1]



First Revision No. 10-NFPA 17A-2024 [Section No. 2.4]

2.4 References for Extracts in Mandatory Sections.

NFPA 17, *Standard for Dry Chemical Extinguishing Systems*, 2024 2027 edition.

NFPA 25, *Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems*, 2023 2026 edition.

NFPA 72[®], *National Fire Alarm and Signaling Code*[®], 2022 2025 edition.

NFPA 96, *Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations*, 2024 2027 edition.

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

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Wed Oct 09 14:05:25 EDT 2024

Committee Statement

Committee Statement: This revision updates extracted text in accordance with the Extract Policy.

Response Message: FR-10-NFPA 17A-2024



First Revision No. 2-NFPA 17A-2024 [New Section after 3.3.5]

3.3.6 Fire Alarm System.

A system or portion of a combination system that consists of components and circuits arranged to monitor and annunciate the status of fire alarm or supervisory signal-initiating devices and to initiate the appropriate response to those signals. [72, 2025]

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Tue Oct 08 14:35:09 EDT 2024

Committee Statement

Committee Statement: Currently there is no definition of a Fire Alarm System in NFPA 17A. Since the term “fire alarm system” is used in the document, a definition was added. This also aligns NFPA 17A with NFPA 17 and NFPA 96 and provides consistency between the documents.

Response Message: FR-2-NFPA 17A-2024

[Public Input No. 9-NFPA 17A-2024 \[Section No. 3.3\]](#)



First Revision No. 15-NFPA 17A-2024 [Section No. 5.1]

5.1 General.

Wet chemical fire-extinguishing systems for the protection of cooking operations shall be listed and shall meet or exceed the requirements of ANSI/ CAN/UL/ULC 1254, *Pre-Engineered Dry and Wet Chemical Extinguishing System Units*, and ANSI/ CAN/UL/ULC 300, *Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment*.

5.1.1

Cooking appliances that require protection and that are under a recirculating hood shall be protected by either the integral fire protection system in accordance with UL 710B, *Recirculating Systems* , or in accordance with Section 5.1 .

5.1.2 Use.

Hazards and equipment that can be protected using wet chemical extinguishing systems shall include the following:

- (1) Restaurant, commercial, and institutional hoods
- (2) Plenums, ducts, and filters with their associated cooking appliances
- (3) Special grease removal devices
- (4) Odor control devices
- (5) Energy recovery devices installed in the exhaust system

5.1.3* Applications.

NFPA 96 and the manufacturer's design, installation, and maintenance manual shall be consulted for system limitations and applications for which wet chemical extinguishing systems for commercial cooking operations are considered satisfactory protection.

5.1.3.1

Each protected cooking appliance, individual hood, and branch exhaust duct directly connected to the hood shall be protected by a system or systems designed and installed for simultaneous operation.

5.1.3.2

Where two or more hazards can be simultaneously involved in fire by reason of their proximity, the hazards shall be protected by either of the following:

- (1) Individual systems installed on each hazard to operate simultaneously
- (2) A single system designed and installed to protect all hazards that can be simultaneously involved

5.1.3.3

Any hazard that will allow fire propagation from one area to another shall constitute a single fire hazard.

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Mon Oct 28 14:36:51 EDT 2024

Committee Statement

Committee Statement: Integral protection systems for an appliance are not listed alone. The appliance with the protection system is listed. This aligns with NFPA 96 which, in 14.2.4.2, gives direction that if the system is a recirculating system, UL 710B is the appropriate listing document.

Response Message: FR-15-NFPA 17A-2024

[Public Input No. 10-NFPA 17A-2024 \[Section No. 5.1 \[Excluding any Sub-Sections\]\]](#)



First Revision No. 3-NFPA 17A-2024 [Section No. 5.2.1.9]

5.2.1.9

Where a fire alarm-signaling system is serving the occupancy where the extinguishing system is located, the actuation of the automatic fire-extinguishing system shall actuate the fire alarm signaling system in accordance with the requirements of *NFPA 72*. [96:10.6.2]

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Tue Oct 08 14:42:40 EDT 2024

Committee Statement

Committee Statement: This corrects inconsistencies amongst NFPA 17, 17A and 96 identifying the proper terminology for a "Fire Alarm System." Extract updated.

Response Message: FR-3-NFPA 17A-2024

[Public Input No. 12-NFPA 17A-2024 \[Section No. 5.2.1.9\]](#)



First Revision No. 1-NFPA 17A-2024 [Section No. 7.2]

7.2* Review and Certification.

Design Layout and installation of systems shall be performed only by persons who are properly trained and qualified to ~~design and/or~~ install the specific system being provided. ~~The installer shall provide certification to the authority having jurisdiction that the installation complies with the terms of the listing and the manufacturer's instructions and/or approved design.~~

7.2.1

The installer shall provide certification to the authority having jurisdiction indicating that the installation complies with the terms of the listing and the manufacturer's instructions and/or approved design.

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Tue Oct 08 13:58:02 EDT 2024

Committee Statement

Committee Statement: Design is an engineering function preformed by the manufacturers of the fire systems not the installation contractor. Layout better defines the function and role of the installer.

Response Message: FR-1-NFPA 17A-2024

[Public Input No. 6-NFPA 17A-2024 \[Section No. 7.2\]](#)



First Revision No. 4-NFPA 17A-2024 [Section No. 7.4.6]

7.4.6 Building Fire Alarm System.

Where the system is connected to a building fire alarm system, verification that ~~alarm-sounding or notification devices~~ appliances and remote annunciation devices are functional shall be required.

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Tue Oct 08 14:45:32 EDT 2024

Committee Statement

Committee Statement: Building alarm system is a general/generic term for any alarm system type. The addition of the word "fire" eliminates confusion between different types of alarm systems that may be present in a building. The correct term for "notification devices" is "notification appliances." "Alarm sounding" is a notification appliance function.

Response Message: FR-4-NFPA 17A-2024

[Public Input No. 13-NFPA 17A-2024 \[Section No. 7.4.6\]](#)



First Revision No. 6-NFPA 17A-2024 [Section No. 8.2.2]

8.2.2

At a minimum, the inspection shall include verification of the following:

- (1) The extinguishing system is in its proper location.
- (2) The manual actuators are unobstructed.
- (3) The tamper indicators and seals are intact.
- (4) The maintenance tag or certificate is in place.
- (5) No obvious physical damage or condition exists that might prevent operation.
- (6) The pressure gauge(s), if provided, has been inspected physically or electronically to ensure it is in the operable range.
- (7) The nozzle blowoff caps, where provided, are intact and undamaged.
- (8) The hazard has not changed, including replacement, modification, and relocation of protected equipment.
- (9) Training of personnel in the use and operation of the extinguishing system and portable fire extinguishers.

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Tue Oct 08 16:01:08 EDT 2024

Committee Statement

Committee Statement: To safeguard personnel and to protect the public, operational personnel need to be trained in emergency response procedures. This has been assigned to a task group that is addressing the same situation in NFPA 17. The task group will work to maintain consistency between NFPA 17 and NFPA 17A.

Response Message: FR-6-NFPA 17A-2024

Public Input No. 14-NFPA 17A-2024 [Section No. 8.2.2]



First Revision No. 7-NFPA 17A-2024 [Section No. 8.3.3.4]

8.3.3.4*

All wet chemical systems shall be tested, which ~~shall include~~ includes operation of the detection system signals and releasing devices, including manual stations and other associated equipment.

8.3.3.4.1

Where the fire-extinguishing system is connected to a building fire alarm system, proper functioning of the fire alarm system shall be verified in accordance with NFPA 72 .

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Tue Oct 08 16:10:09 EDT 2024

Committee Statement

Committee Statement: The connection to the building fire alarm system is a requirement of NFPA 17A in the installation section and should be verified in accordance with NFPA 72 when performing maintenance.

Response Message: FR-7-NFPA 17A-2024

Public Input No. 15-NFPA 17A-2024 [Section No. 8.3.3.4]



First Revision No. 8-NFPA 17A-2024 [Section No. 8.3.3.5]

8.3.3.5*

Parts that are found during maintenance that could cause an impairment or failure of operation of the system shall be replaced by listed components as required by Section 4.1 in accordance with the manufacturer's instructions.

A.8.3.3.5

An impairment is any condition where a system, component of a system, or function of a system does not perform as intended in a fire event. A condition such as the failure of any actuation component, mechanical device, electrical device, detector, container, pipe, hose, fitting, or nozzle to perform its intended function is considered to be an impairment.

8.3.3.5.1

Until such repairs are accomplished, the systems shall be tagged as impaired and both the owner or owner's representative responsible for the system and the authority having jurisdiction shall be notified of the impairment by the end of the following business day.

8.3.3.5.2

When all repairs have been accomplished and the system has been restored to full operating conditions, all previously notified parties shall be informed that the system is in the full operating condition.

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Tue Oct 08 16:18:30 EDT 2024

Committee Statement

Committee Statement: Provides consistency between NFPA 17 and 17A and for clarification of an impairment. This Annex material is found in NFPA 17 (A.11.3.1.6) but not in NFPA 17A.

Response Message: FR-8-NFPA 17A-2024

Public Input No. 19-NFPA 17A-2024 [New Section after A.8.3.3.4]



First Revision No. 11-NFPA 17A-2024 [Section No. C.1]

[Detail FR-12](#)

C.1

Table C.1 does not take into account every variation of the conditions needing repair or correction. Refer to the manufacturer's design, installation, and maintenance manual. Table C.1 should be used with good judgment~~judgment~~ by qualified personnel.

Table C.1 Common Deficiencies and Impairments

<u>Item(s)</u>	<u>Item Finding</u>	<u>Impairment</u>	<u>Deficiency</u>
General	System not installed or maintained per the manufacturer's design, installation, and maintenance manual	X	
Discharge nozzles	Clogged with debris or grease	X	
Discharge nozzles	Protective caps missing		X
Discharge nozzles	Wrong type for hazard or installed improperly	X	
Manual actuator	Inoperable	X	
Manual actuator	Inaccessible		X
Manual actuator	Needs adjustment		X
Manual actuator	Signage missing		X
Automatic actuation	Inoperable	X	
Automatic actuation	Improper detector	X	
Automatic actuation	Improper fixed temperature-sensing element temperature rating	X	
Shutoff devices (gas or electric)	Inoperable	X	
Manual reset relay	Inoperable	X	
Exhaust fan	Inoperable (unless not needed due to a listed component of the ventilation system or by design of the extinguishing system)		X
Makeup air supply (if applicable)	Inoperable		X
Make up air supply (if applicable)	Does not shut off	X	
Pipe, fittings, tubing, and hose	Clogged with debris or grease	X	
Pipe, fittings, tubing, and hose	Minor surface corrosion, minor cracking of nonmetallic components		X
Compressed gas cartridge	Missing or incorrect size	X	
Compressed gas cartridge	Needs hydrostatic testing		X
Compressed gas cartridge	Insufficient cartridge charge as indicated by weight, pressure, or periodic replacement	X	
Wet-chemical container	Empty or insufficient quantity (for nonpressurized containers)	X	
Wet-chemical container	Pressure too low (for pressurized containers)	X	
Wet-chemical container	Needs hydrostatic testing		X
Wet-chemical container	Corrosion or pitting in excess of the manufacturer's limits, structural damage, fire damage, repairs by soldering, welding, or brazing	X	

<u>Item(s)</u>	<u>Item Finding</u>	<u>Impairment</u>	<u>Deficiency</u>
Pressure regulator	Inoperable or falls outside manufacturer's design limits	X	
Hazard	Hazard has changed	X	
Audible or visual indicator	Inoperable or needs adjustment	<u>X</u>	X
<u>Audible or visual indicator</u>	<u>Needs adjustment</u>		<u>X</u>
Connection to fire alarm system (if applicable)	Inoperable	<u>X</u>	X
Labeling	Missing, damaged, or illegible		X

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
17A-A2026_PI16.docx	For editorial use	
17A_FR-11_C.1_legislative_changes.docx	for prod use	

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Thu Oct 10 11:34:36 EDT 2024

Committee Statement

Committee Statement: The table was adjusted to match the definitions of impairment and deficiency.

Response Message: FR-11-NFPA 17A-2024

Public Input No. 16-NFPA 17A-2024 [Section No. C.1]

Public Input No. 17-NFPA 17A-2024 [New Section after C.1]



First Revision No. 13-NFPA 17A-2024 [Chapter D]

Annex D Informational References

D.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.

D.1.1 NFPA Publications.

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

NFPA 10, *Standard for Portable Fire Extinguishers*, 2022 2025 edition.

NFPA 72[®], *National Fire Alarm and Signaling Code*[®], 2022 2025 edition.

NFPA 96, *Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations*, 2024 2027 edition.

D.1.2 Other Publications.

D.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.

D.1.2.2 UL Publications.

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

ANSI/ CAN/UL/ULC 300, *Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment*, 2019 2024 .

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

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

D.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.

D.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.

D.3 References for Extracts in Informational Sections.

NFPA 17, *Standard for Dry Chemical Extinguishing Systems*, 2024 2027 edition.

NFPA 96, *Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations*, 2024 2027 edition.

Submitter Information Verification

Committee: DRY-AAA

Submittal Date: Thu Oct 10 13:47:25 EDT 2024

Committee Statement

Committee Statement: References updated.

Response Message: FR-13-NFPA 17A-2024

[Public Input No. 8-NFPA 17A-2024 \[Section No. D.1.2.2\]](#)