



Tentative Interim Amendment

# NFPA<sup>®</sup> 1

## *Fire Code*

### 2021 Edition

**Reference:** Various NFPA 303 extracts

**TIA 21-3**

(SC 20-8-16 / TIA Log #1493)

**Note:** Text of the TIA was issued and approved for incorporation into the document prior to printing.

1. *Revise the following paragraphs to read as follows:*

#### **2.4 References for Extracts in Mandatory Sections.**

NFPA 303, Fire Protection Standard for Marinas and Boatyards, ~~2016~~ 2021 edition.

**28.1.1.3** Section 28.1 ~~is not intended to~~ shall not apply to a private, non-commercial docking facility constructed or occupied for the use of the owners or residents of the associated single-family dwelling. [303:1.1.3]

**28.1.2.1.1.1** ~~Placement~~ Selection and installation of portable fire extinguishers shall be in accordance with ~~Chapter 5 of~~ NFPA 10 unless otherwise permitted by 28.1.2.1.1.1.1, 28.1.2.1.1.1.2, or 28.1.2.1.1.1.3. [303:6.2.1.1.1]

**28.1.2.1.1.1.1** Placement of portable fire extinguishers on piers and along bulkheads where vessels are moored or are permitted to be moored shall meet the following criteria:

- (1) Extinguishers listed for Class A, Class B, and Class C fires shall be installed at the pier/land intersection on a pier that exceeds 25 ft (7.62 m) in length.
- (2) Additional fire extinguishers shall be placed such that the maximum travel distance to an extinguisher does not exceed 75 ft (22.86 m).
- (3) Extinguishers shall be protected from environmental exposures to prevent damage and lack of operability.

[303:6.2.1.1.1.1]

**28.1.2.1.1.1.2** [Moved from 28.1.2.1.1.1.4] All extinguishers installed on piers shall meet the rating requirements set forth in ~~Chapter 5 of~~ NFPA 10 for ordinary ~~(moderate)~~ hazard ~~type~~. [303:6.1.1.1.2]

#### **28.1.2.1.1.1.32 Fuel-Dispensing Areas.**

**28.1.2.1.1.1.32(A)** Portable fire extinguishers that meet the minimum requirements of ~~Chapter 5 of~~ NFPA 10 for extra ~~(high)~~ hazard ~~type~~ shall be installed on two sides of a fuel-dispensing area. [303:6.1.1.1.32.1]

**28.1.2.1.1.1.32(B)** On piers or bulkheads where long fueling hoses are in-stalled for fueling vessels, additional extinguishers installed on piers or bulkheads shall meet the requirements of ~~Chapter 5 of~~ NFPA 10 for extra ~~(high)~~ hazard ~~type~~ and 28.1.2.1.1.1.1 of this Code. [303:6.1.1.1.32.2]

**28.1.2.1.1.1.3** [Moved to 28.1.2.1.1.2] All extinguishers installed on piers shall meet the rating requirements set forth in ~~Chapter 5 of~~ NFPA 10 for ordinary ~~(moderate)~~ hazard ~~type~~. [303:6.1.1.1.3]

**28.1.2.1.2 Visibility and Identification.** All portable fire extinguishers shall be clearly visible and marked. [303:6.12.2]

**28.1.2.2.1 Buildings on Piers and Covered Piers.**

**28.1.2.2.1.1** Buildings in excess of 500 ft<sup>2</sup> (46 m<sup>2</sup>) that are constructed on piers and covered piers in excess of 5000 ft<sup>2</sup> (460 m<sup>2</sup>) shall be protected by an approved automatic fire-extinguishing system unless otherwise permitted by 28.1.2.2.1.2 or 28.1.2.2.1.3. [303:6.2.1.1]

**28.1.2.2.1.2** Buildings of Type I or Type II construction, as specified in NFPA 220 and without combustible contents, shall not be required to be protected by an automatic fire-extinguishing system. [303:6.2.1.2]

**A.28.1.2.2.2.2** See A.28.1.2.2.1.3. [303:A.6.32.2.2]

**A.28.1.2.2.3.4** See A.28.1.2.2.1.3. [303:A.6.23.3.4]

**A.28.1.2.2.4.1** Compliance with the requirements of Chapter 172 of NFPA 13 for the protection of Group A plastics stored on solid shelves should be considered for the design and installation of automatic sprinkler systems provided for the protection of buildings housing boats stored on multilevel racks. The combustibility of the boats in storage should be considered in determining hazard classifications. Plan view configuration of the boats in storage should be reviewed to determine whether in-rack sprinklers are needed and to aid in the proper design of the in-rack portion of the sprinkler system. Sound engineering judgment is necessary in selecting sprinkler spacing, placement, and design criteria. [303:A.6.2.4.1]

**28.1.2.2.4.2** An automatic fire-extinguishing system shall not be required for buildings less than 5000 ft<sup>2</sup> (465 m<sup>2</sup>) having multilevel racks where provided with one of the following:

- (1) An automatic fire detection and alarm system supervised by a central station complying with *NFPA 72*
  - (2) An automatic fire detection and alarm system supervised by a local protective signaling system complying with *NFPA 72*, if the provisions of 28.1.2.2.4.2(1) are not technically feasible
  - (3) A full-time watch service if the provisions of 28.1.2.2.4.2(1) are not technically feasible
- [303:6.2.4.2]

**A.28.1.2.3** The 2019 edition of NFPA 14 has incorporated a chapter specific to standpipes and hose systems installed at marinas, boatyards, and marine terminals or on piers, docks, and wharves. This chapter addresses the unique concerns of these systems, including corrosion resistance, flexibility, and other issues specific to the maritime environment. Where standpipe system components are installed in areas subjecting these components to corrosion or other atmospheric damage, special considerations might be necessary. Corrosion resistant types of pipe, fittings, and hangers or protective corrosion-resistant coatings should be used where corrosive conditions exist. [303:A.6.43]

**28.1.2.3.2** Class I standpipes shall be provided in all buildings used for the rack storage of boats. [303:6.43.2]

**28.1.2.3.3** Standpipe systems, where installed, shall be in accordance with NFPA 14, except for the provisions identified in 28.1.2.3.4 ~~through 28.1.2.3.7~~. [303:6.3.3]

~~28.1.2.3.5~~ ~~Supply piping for standpipes on piers and bulkheads shall be sized for the minimum flow rate of 300 gpm (1136 L/min).~~ [303:6.3.5]

~~28.1.2.3.6~~ ~~Manual dry standpipes shall be permitted.~~ [303:6.3.6]

~~28.1.2.3.7~~ ~~Flexible connections shall be permitted on floating piers where acceptable to the AHJ.~~ [303:6.3.7]

**28.1.2.4 In-Out Dry Storage and Rack Storage.**

~~Water supply and hoses or portable fire extinguishers and wheeled cart assemblies equipped with discharge nozzles capable of reaching all boats on the highest racks shall be provided.~~ [303:6.4]

28.1.2.4.1 Fire protection shall be provided as described in either 28.1.2.4.1.1 or 28.1.2.4.1.2. [303:6.4.1]

28.1.2.4.1.1 A Class II standpipe system shall be designed and installed in accordance with NFPA 14. [303:6.4.1.1]

28.1.2.4.1.2 \* Portable fire extinguishers shall be provided in accordance with NFPA 10. [303:6.4.1.2]

A.28.1.2.4.1.2 A portable fire extinguisher can be either hand carried or on wheels. [303:A.6.4.1.2]

28.1.2.4.2 The fire protection provided in 28.1.2.4.1 shall be capable of reaching all boats, including those on the highest rack. [303:6.4.2]

#### **28.1.2.5 Hydrants and Water Supplies.**

Hydrants and water supplies for fire protection in marinas and boatyards shall be provided in accordance with this Code, NFPA 13, NFPA 14, and NFPA 24. [303:6.5]

28.1.2.6\* Exposure Protection. The hazards of fire exposure and appropriate protection methods shall be evaluated. [303:6.7]

A.28.1.2.6 See NFPA 80A. [303:A.6.7]

#### **28.1.2.7 Transmittal of Fire Emergency.**

28.1.2.7.1 All marinas and boatyards shall have a means to notify the fire department rapidly in the event of an emergency. [303:6.8.1]

28.1.2.7.2 If a telephone is used to meet 28.1.2.8.1, the telephone installation shall meet the following criteria:

1. The telephone shall be available for use at all times.
2. Use of the telephone for emergency notification shall not require the use of a card, coin, or currency.
- +3. \*The street address of the facility and the emergency telephone number(s) shall be displayed prominently on a sign at the telephone.

[303:6.8.2]

A.28.1.2.7.2(3) EMS and police numbers should be displayed in addition to fire department numbers unless 9-1-1 (E-9- 1-1) is in use.

#### **28.1.2.6 28.1.2.8 Automatic Fire Detectors.**

~~28.1.2.6.1~~28.1.2.8.1 Automatic Fire fire detection devices and installation shall be in accordance with NFPA 72. [303:6.9.1]

~~28.1.2.6.2~~28.1.2.8.2 Automatic Fire fire detectors shall be installed in the following interior or covered locations unless those locations are protected by a fixed automatic sprinkler system installed in accordance with NFPA 13:

- (1) Rooms containing combustible storage or goods
- (2) Rooms containing flammable liquid storage or use
- (3) Rooms containing battery storage or maintenance
- (4) Rooms containing paint and solvent storage or use
- (5) Areas used for enclosed or covered storage of vessels
- (6) Areas used for enclosed or covered maintenance of vessels
- (7) Areas used for public assembly, dining, or lodging
- (8) Kitchens and food preparation areas
- (9) Dust bins and collectors
- (10) Inside trash storage areas
- (11) Rooms used for storing janitor supplies or linens
- (12) Laundry rooms
- (13) Furnace rooms

[303:6.9.2]

28.1.3.2.1.2 Ladders long enough to reach the deck of any stored boat shall be provided and readily ~~available~~accessible. [303:7.2.1.2]

28.1.3.2.3.1 Where boats are stored either inside or outside in single- or multiple-level racks, those boats shall have unimpeded vehicular access at one end, and equipment shall be available to remove any stored boat. [303:7.2.3.1]

**28.1.3.2.3.5** The charging of batteries shall be prohibited in ~~the~~an in-out dry storage building. [303:7.2.3.5]

**28.1.4.1.1** The management shall have an inspection made of each boat received for major repair or storage as soon as practicable after arrival of ~~the~~a boat and before commencement of any work aboard. [303:8.1.1]

**28.1.4.1.2**

The inspection required in 28.1.4.1.1 shall include the following determinations:

- (1) Presence of combustible or flammable vapors in any compartment
- (2) General maintenance and cleanliness, and location of any combustible or flammable materials that require removal or protection for the safe accomplishment of the particular work involved
- (3) Quantity, type, and apparent condition of fire-extinguishing equipment onboard
- (4) Listed and appropriate shore power inlet(s) and ship-to-shore cable(s), when present

[303:8.1.2]

**28.1.4.2.6** The marina or boatyard operator shall post in a prominent location, or provide to boat operators using a marina or boatyard for mooring, repair, servicing, or storage, a list of safe operating procedures containing at least the following information:

- (1) A prohibition against the use of any form of hibachis, charcoal, wood, or gas-type portable cooking equipment, except in specifically authorized areas that are not on the docks, on boats in the berthing area, or near flammables
- (2) Procedures for disposal of trash
- (3) Designation of nonsmoking areas
- (4) Location of fire extinguishers and hoses
- (5) Procedures for turning in a fire alarm
- (6)\* Fueling procedures
- (7)\* Emergency contact information and marina address for notifying emergency services to respond to an incident

[303:8.2.6]

**A.28.1.4.2.6(6)** See 42.9.10.8 for the list of the fuel dispensing requirements that are to be provided to boat operators using the marina or boatyard. [303:A.8.2.6]

**F.3 References for Extracts in Informational Sections.**

NFPA 303, Fire Protection Standard for Marinas and Boatyards, ~~2016~~ 2021 edition.

**Issue Date:** August 11, 2020

**Effective Date:** August 31, 2020

(Note: For further information on NFPA Codes and Standards, please see [www.nfpa.org/docinfo](http://www.nfpa.org/docinfo))

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