

## Article 28 - NFPA 72-2002: National Fire Alarm Code

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675 IAC 28-1-28 NFPA 72; national fire alarm code

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 10-19-2; IC 22-11-8; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 28. (a) That certain standard, being titled NFPA 72, National Fire Alarm Code, 2002 edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 72 are not adopted, are not enforceable, and are for information only:

- (1) NFPA 75.
- (2) NFPA 90A.
- (3) NFPA 110.
- (4) NFPA 111.
- (5) NFPA 601.
- (6) NFPA 780.
- (7) NFPA 1221.
- (8) ANSI A-58.1.
- (9) ANSI S1.4a.
- (10) ANSI S3.2.
- (11) ANSI S3.41.
- (12) ANSI/IEEE C2.
- (13) ANSI/UL 217.
- (14) ANSI/UL 268.
- (15) ANSI/UL 827.
- (16) ANSI/UL 985.
- (17) ANSI/UL 1730.
- (18) ANSI/UL 1971.
- (19) EIA Tr 41.3.
- (20) IEC 60849.
- (21) IEC 60268.
- (22) ISO 7731.

(c) The following documents referenced in NFPA 72 are adopted and are enforceable:

- (1) NFPA 10, as adopted in section 2 of this rule.
- (2) NFPA 13, as adopted in 675 IAC 13-1-25.
- (3) NFPA 20, as adopted in 675 IAC 13-1-10.
- (4) NFPA 25, as adopted in section 12 of this rule.
- (5) NFPA 37, as adopted in section 15 of this rule.
- (6) NFPA 70, as adopted in 675 IAC 17-1.6.
- (7) ANSI/ASME A17.1, as adopted at 675 IAC 21-3-1.

(d) Delete Section 1.4 in its entirety without substitution.

(e) Amend Section 1.5 by deleting in its entirety and substituting "See 675 IAC 12-6-11."

(f) Delete Section 1.7 in its entirety without substitution.

(g) Chapter 2 and the appendices are not adopted as part of this code and is intended for the use as a guide, and the standards referenced therein are not enforceable as part of this code.

(h) Amend the following definitions:

APPROVED means acceptance by the authority having jurisdiction by one (1) of the following methods:

- (1) Investigation or tests conducted by national recognized authorities; or
- (2) Investigation or tests conducted by national recognized technical or scientific organizations; or
- (3) National accepted principles.

The investigation, tests or principles shall establish that a method, material, equipment, design, or type of construction is safe for its intended purpose.

AUTHORITY HAVING JURISDICTION means the Division of Fire and Building Safety or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

(i) Delete Section 3.2.3 without substitution.

(j) Amend the following definitions:

DWELLING UNIT is any building or portion thereof which contains living facilities, including provisions for sleeping, eating, cooking, and sanitation, as required by this code, for not more than one (1) family, or congregate resident for ten (10) or less persons.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspections of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in a product evaluation, that maintains periodic inspections of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

STORY is that portion of a building included between the upper surface of any floor and the upper surface of the floor next above, except that the topmost story shall be that portion of a building included between the upper surface of the topmost floor and the ceiling or roof above. If the finished floor level directly above a usable or unused under-floor space is more than six (6) feet above grade as defined herein for more than fifty (50) percent of the total perimeter or is more than twelve (12) feet above grade as defined herein at any point, such usable or unused under-floor space shall be considered as a story.

(k) Add the following definitions:

ACCESSIBLE mean capable of being reached safely and quickly for operation, repair or inspection without requiring those whom ready access is requisite to climb over or remove obstacles, or to resort to the use of portable access equipment.

BUILDING CODE means the building code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

DIVISION OF FIRE AND BUILDING [sic.] SAFETY means the Division of Fire and Building Safety of the Indiana Department of Homeland Security created pursuant to IC 10-19-2.

INDIANA FIRE CODE means the rules adopted at 675 IAC 22 in effect in Indiana at the time of inspection by the inspection authority or, with respect to construction required to be filed under 675 IAC 12-6, 675 IAC 22 in effect at the time of construction, remodeling, alteration, addition, or repair of the structure.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

TRAINED means one who has undergone the instructions necessary to design, install, and perform testing, maintenance, and inspection.

(l) In Section 3.3.12, after "units", delete "with independent cooking and bathroom facilities".

(m) Delete the text of Section 3.3.85 and substitute to read "A building classified as an R-1 occupancy in accordance with the Indiana Building Code."

(n) Delete Section 3.3.95 without substitution.

(o) Amend Section 4.4.1.6.3(A) to read as follows: Storage batteries dedicated to the fire alarm system or an uninterruptible power supply (UPS) shall be permitted to supplement the secondary power supply to ensure required operation during the transfer period.

(p) Amend Section 4.4.1.9.3.1(A) to read as follows: Engine-driven generators used to provide secondary power for a protected premises fire alarm system shall be installed in accordance with NFPA 70.

(q) Amend Section 4.4.1.9.3.2(A) to read as follows: Automatic-starting, engine-driven generators used to provide secondary power for a supervising station shall be installed in accordance with NFPA 70.

(r) Amend Section 4.4.1.9.3.2(B) to read as follows: Manual-starting, engine-driven generators used to provide secondary power for a supervising station shall be installed in accordance with NFPA 70.

(s) Amend Section 4.4.3.7 by deleting the exception without substitution.

(t) Amend Section 4.4.4.2.4 by deleting the exception without substitution.

(u) Amend Section 4.4.5 to insert at the end of the exception "where approved by the authority having jurisdiction".

(v) Amend Section 4.4.6.1.1 by deleting "required" and substituting "approved".

(w) Amend Section 4.5.1.1 to read as follows: Complete information regarding the system or system alterations, including specifications, wiring diagrams, battery calculations, and floor plans, shall be submitted in accordance with 675 IAC 12-6.

(x) In Section 4.5.1.2:

(1) delete "The authority having jurisdiction" and substitute "local ordinance"; and

(2) delete "Appropriate NFPA requirements" and substitute "The Rules of the Commission".

(y) Delete Section 4.5.2.1 without substitution.

(z) Delete Section 4.5.2.4 without substitution.

(aa) Amend Section 4.5.2.4.1 by amending the first sentence to read as follows: Verification of the installation of a fire alarm system shall ensure that the installed system includes all required components and functions, that those components and functions are installed and operate as required, that the system has been 100-percent acceptance tested in accordance with Chapter 10, and that all required documentation has been provided to the system owner.

(bb) Amend Section 4.5.3.2 as follows: After "required" and before "reported", insert "by local ordinance".

(cc) Amend Section 4.6.3 to read as follows: Impaired fire alarm systems shall be in compliance with the Indiana Fire Code.

(dd) Amend Section 5.1.4 as follows: After "alarms" and before "shall" delete "and household fire alarm systems".

(ee) Amend Section 5.1.5 to read as follows: The material in this chapter shall be applied by trained persons.

(ff) Amend Section 5.1.6 to read as follows: The interconnection of initiating devices with control equipment configurations and power supplies, or with output systems responding to external actuation shall comply with the applicable rules of the commission, including, without limitation, NFPA 70.

(gg) Delete Section 5.3 in its entirety without substitution

(hh) In Section 5.4.5, delete "other NFPA codes and standards or as required by the authority having jurisdiction" and substitute "this standard".

(ii) Amend Section 5.5.2.1 to delete "If required and unless" and substitute "Unless".

(jj) Amend Section 5.5.2.1.5 to delete "meeting the requirements of NFPA 90A, Standard for the Installation of Air-Conditioning and Ventilating Systems,".

(kk) Delete Section 5.5.2.4 in its entirety without substitution.

(ll) Amend Section 5.6 to read as follows: Heat sensing fire detectors shall be designed and installed as required by this standard, the Indiana Building Code and the Indiana Fire Code.

(mm) Delete Section 5.6.1.1 in its entirety without substitution.

(nn) Delete Section 5.6.1.2 in its entirety without substitution.

(oo) Delete Section 5.6.1.3 in its entirety without substitution.

(pp) Delete Section 5.6.5.6 in its entirety without substitution.

(qq) Delete Section 5.7.1.1 without substitution.

(rr) Delete Section 5.7.1.2 without substitution.

(ss) Delete Section 5.7.1.3 without substitution.

(tt) Delete Section 5.7.1.4 in its entirety without substitution.

(uu) Amend Section 5.7.1.6 to read as follows: Smoke detectors shall be installed as required by this standard, the Indiana Building Code and the Indiana Fire Code.

(vv) Amend Section 5.7.1.11 to delete the exception without substitution.

(ww) Amend Section 5.7.3.2.3 to delete subsection (C).

(xx) Amend Section 5.9.1 such that the second sentence reads as follows: Such detectors shall be installed in all areas required under the Indiana Building Code or the Indiana Fire Code.

(yy) Amend Section 5.14.3.1 to delete "as required by NFPA 90A, Standard for the Installation of Air-Conditioning and Ventilating Systems, and 5.14.4.2.1".

(zz) Amend Section 5.14.4.2.1 to delete "other NFPA Standards" and substitute "the rules of the commission".

(aaa) Amend Section 5.14.4.2.2 to delete "other NFPA Standards" and substitute "the rules of the commission".

(bbb) Amend Section 5.14.5.3 by deleting "in accordance with NFPA 90A, Standard for the Installation of Air-Conditioning and Ventilating Systems".

(ccc) In Section 5.14.5.8, after "location", delete "acceptable to" and substitute "approved by".

(ddd) Delete Section 6.2.3 in its entirety without substitution.

(eee) Amend Section 6.4.3.1 by deleting "and on engineering judgment" without substitution.

(fff) Delete Section 6.8.2.8 without substitution.

(ggg) Delete Section 6.8.3 in its entirety without substitution.

(hhh) In Section 6.8.4.5, delete Exception No. 1, renumber Exception No. 2 to be Exception No. 1, and delete number three in Exception No. 2 without substitution.

(iii) Delete Section 6.8.4.7 without substitution.

(jjj) In Section 6.8.5.1.2, delete the last sentence without substitution.

(kkk) In Section 6.8.5.4.3, delete condition number one and renumber two and three.

(lll) In Section 6.8.5.6.2, after 4.4.7.1, delete "and with other applicable NFPA standards".

(mmm) In Section 6.8.5.8.1, delete "and the authority having jurisdiction".

(nnn) In Section 6.8.5.10.2, delete "other applicable NFPA standards" and substitute "applicable rules of the commission".

(ooo) In Section 6.8.6.4.1, delete the exception without substitution.

(ppp) In Section 6.8.6.4.2, in the second sentence, delete "with the approval of" and substitute "as approved by".

(qqq) In Section 6.9.4.3, delete method number three.

(rrr) In Section 6.9.4.6, delete method number three.

(sss) In Section 6.9.5.1, delete "as determined by the authority having jurisdiction".

(ttt) In Section 6.9.5.2, delete "if required by the authority having jurisdiction".

(uuu) In Section 6.9.5.3, in Exception No. 2, delete "if" and substitute "where".

(vvv) In Section 6.9.5.4, delete Exception No. 1.

(www) Amend Section 6.9.6.3 by deleting "permitted" and substituting "approved".

(xxx) In Section 6.9.9.3, delete "if specifically permitted" and substitute "where specifically approved".

(yyy) In Section 6.9.9.12, delete "if" and substitute "where".

(zzz) Amend Section 6.9.9.14 by deleting ", as determined by the authority having jurisdiction" without substitution.

(aaaa) In Section 6.10.2, delete "or by other approved means".

(bbbb) In Section 6.11.2, delete "NFPA standards" and substitute "rules of the commission".

(cccc) Amend Section 6.13.2 by deleting "in accordance with NFPA 601, Standard for Security Services in Fire Loss Prevention".

(dddd) Amend Section 6.15.2.1 by deleting the third sentence without substitution.

(eeee) In Section 6.15.2.6, delete means number three without substitution.

(ffff) In Section 6.15.3.3, delete "Unless otherwise required by the authority having jurisdiction".

(gggg) In Section 6.15.3.9, delete the exception without substitution.

(hhhh) In Section 6.15.5.3, after "with", delete "applicable NFPA standards" and substitute "this standard".

(iiii) Amend Section 6.15.6.2 by deleting the exception without substitution.

(jjjj) In Section 6.15.7.2, delete the exception without substitution.

(kkkk) In Section 6.16.4.5, delete the exception without substitution.

(llll) In Section 7.1.1, after "by", delete "the authority having jurisdiction or other governing codes or standards" and substituting *[sic., substitute]* "this standard".

(mmmm) Delete Section 7.1.5 without substitution.

(nnnn) Delete Section 7.4.2.2 in its entirety without substitution.

(oooo) In Section 7.4.2.4, delete "if" and substitute "where".

(pppp) Amend Section 7.4.2.5 by deleting "when approved by the authority having jurisdiction" without substitution.

(qqqq) Delete Section 7.4.3.3 in its entirety without substitution.

(rrrr) In Section 7.4.3.4, delete "when approved by the authority having jurisdiction" without substitution.

(ssss) In Section 7.4.3.4.1, delete "if approved by the authority having jurisdiction" without substitution.

(tttt) Delete Section 7.4.5 in its entirety without substitution.

(uuuu) Amend Section 7.5.3 by deleting "the polar dispersion requirements of ANSI/UL 1971, Standard for Safety Signaling Devices for Hearing Impaired, or equivalent" and substituting "applicable rules of the

Commission".

(vvvv) Delete Section 7.5.4.3 in its entirety without substitution.

(www) Delete Section 7.6 in its entirety without substitution.

(xxxx) Delete Section 7.8.2.1 in its entirety without substitution.

(yyyy) In Section 7.9.3.1, delete "unless otherwise permitted by the authority having jurisdiction" without substitution.

(zzzz) Amend Section 7.10 to read as follows: Annunciators, information display systems, and controls for portions of the fire alarm system provided for use by the fire service shall be designed, arranged and located after consultation with the responding fire department.

(aaaa) Delete Section 8.2.3 in its entirety without substitution.

(bbbb) Delete Section 8.2.4.1 in its entirety without substitution.

(cccc) Amend Section 8.2.5.1 by deleting "construction, fire protection, restricted access, emergency lighting, and power facilities requirements of the latest edition of ANSI/UL 827, Standard for Safety Central-Station Alarm Services" and substituting "the rules of the Commission".

(dddd) Amend Section 8.2.5.2 by deleting "construction, fire protection, restricted access, emergency lighting, and power facilities requirements of the latest edition of ANSI/UL 827, Standard for Safety Central-Station Alarm Services" and substituting "the rules of the Commission".

(eeee) Amend Section 8.2.7.1.2 (4) to read as follows: Provide immediate notice to the subscriber and the authority having jurisdiction.

(ffff) Amend Section 8.2.7.2.1 (3) to read as follows: Report all delinquencies to the subscriber and the authority having jurisdiction as quickly as practicable.

(gggg) Amend Section 8.2.7.3 (3) to read as follows: Notify the fire department as quickly as practicable.

(hhhh) Amend Section 8.2.7.3 (5) to read as follows: When service has been restored, provide notice to the subscriber and the authority having jurisdiction as to the nature of the signal, the time of occurrence, and the restoration of service when equipment has been out of service for 8 hours or more.

(iiii) Amend Section 8.2.7.4 (3) to read as follows: Provide notice to the subscriber and the authority having jurisdiction as to the nature of the interruption, the time of occurrence, and the restoration of service, when the interruption is more than 8 hours.

(jjjj) Amend Section 8.2.8.3 to read as follows: The central station shall furnish reports of signals received to the authority having jurisdiction immediately upon request.

(kkkk) In Section 8.3.4.1.3, delete the exception without substitution.

(llll) In Section 8.3.4.1.4, insert "approved" before "private-mode" and delete all text after "appliances".

(mmmm) In Section 8.3.4.6.3, insert "and" before "operate", delete the "," after "signals", and delete "and take such action as shall be required by the authority having jurisdiction" without substitution.

(nnnn) Amend Section 8.3.5.1.2 by deleting "or" and substituting "and".

(oooo) In Section 8.3.5.2.1, delete "designated by the authority having jurisdiction" without substitution.

(pppp) Amend Section 8.3.5.2.2 by deleting "or" and substituting "and".

(qqqq) Amend Section 8.3.5.3 by deleting "or other locations accepted by the authority having jurisdiction".

(rrrr) In Section 8.3.5.4, delete "shall be accepted by the authority having jurisdiction and" without substitution.

(ssss) Amend Section 8.3.5.6.1 (1) to read as follows: Immediately notify the fire department and the plant fire brigade.

(tttt) In Section 8.3.5.6.2, number one, delete "or other means accepted by the authority having jurisdiction" without substitution.

(uuuu) Amend Section 8.3.6.3 to read as follows: The central station shall furnish reports of signals received to the authority having jurisdiction immediately upon request.

(vvvv) Delete Section 8.4 in its entirety without substitution.

(wwww) Delete Section 8.5.2.2 in its entirety without substitution.

(xxxxx) Amend Section 8.5.3.3.4 by deleting "Unless accepted by the authority having jurisdiction,".

(yyyyy) Delete Section 8.5.4 in its entirety without substitution.

(zzzzz) Delete Section 9.1.5 in its entirety without substitution.

(aaaaa) Amend Section 9.2.1 by deleting "this chapter to provide reliable transmission and receipt of fire alarms in a manner acceptable to the authority having jurisdiction" and substituting "local ordinance".

(bbbbbb) Delete Section 9.3 Management and Maintenance in its entirety and substitute "Management and

Maintenance shall be in accordance with local ordinance and Chapter 10".

(ccccc) Delete Section 9.4.2 Public Accessible Fire Service Boxes (Street Boxes) and substitute "Fire service boxes shall be installed in accordance with local ordinance."

(dddddd) Delete Section 9.4.3.1.2 in its entirety without substitution.

(eeeeee) In Section 9.4.3.3.1, delete the exception without substitution.

(ffffff) Amend Section 9.4.3.3.2 by deleting everything after "building".

(gggggg) In Section 9.4.3.3.3, after "system", delete "where permitted by the authority having jurisdiction".

(hhhhh) Amend Section 9.4.3.3.4 to read as follows: Where 9.4.3.3.3 is applied, the box shall be equipped with a signal light to differentiate between automatic and manual operation, unless local outside alarms at the protected property serve the same purpose.

(iiiiii) Amend Section 9.4.3.3.5 to read as follows: The transmitting device shall be located after consultation with the fire department.

(jjjjjj) In Section 9.4.3.3.9, delete the last sentence without substitution.

(kkkkkk) Amend Section 9.4.3.3.10 by deleting "authority having jurisdiction" and substituting "fire department".

(llllll) Amend 9.5.1.7 by deleting ", NFPA 110, Standard for Emergency Standby Power Systems, and NFPA 1221, Standard for the Installation, Maintenance, and Use of Emergency Services Communications Systems".

(mmmmm) Delete Section 9.5.1.9 in its entirety without substitution.

(nnnnn) Delete the text of Section 9.7.2.1.1 and substitute "Outdoor circuitry shall be in accordance with the Indiana Electrical Code."

(ooooo) Delete Section 10.1.3 in its entirety without substitution.

(ppppp) Insert Section 10.1.5 to read as follows: Inspection, testing, and maintenance shall be performed by trained persons.

(qqqqq) Amend Section 10.2.1.2 to read as follows: Impairments. Impairments shall comply with the Indiana Fire Code.

(rrrrr) Delete Section 10.2.2.2 without substitution.

(sssss) In Section 10.3.1, delete all the text after "Table 10.3.1".

(ttttt) In Section 10.3.1, in the exception, delete "if" and substitute "where".

(uuuuu) Amend Section 10.4.2.1 to read as follows: When requested by the authority having jurisdiction, the specifications, wiring diagrams, and floor plans that were submitted for state construction design release shall be provided to the authority having jurisdiction prior to inspection of the central station facility.

(vvvvv) In Section 10.4.3, delete all the text after "Table 10.4.3".

(wwwww) In Section 10.4.3, in the exception, delete "if" and substitute "when".

(xxxxx) Amend Section 10.4.3.2.2 by inserting, after the first sentence, "All smoke detectors in the system shall be sensitivity tested within the same calendar week."

(yyyyy) Amend Section 10.4.3.2.3 by deleting "(or 4 percent obscuration light gray smoke, if not marked)" without substitution.

(zzzzz) In Section 10.4.3.3, after "by", delete "the applicable NFPA standards" and substitute "this standard".

(aaaaa) Delete Section 10.4.3.4.1 in its entirety without substitution.

(bbbbb) Delete Section 10.4.3.4.2 in its entirety without substitution.

(cccc) Delete Section 10.4.3.4.3 in its entirety without substitution.

(dddddd) Delete Section 10.4.5 in its entirety without substitution.

(eeeeee) Delete Section 10.4.6 in its entirety without substitution.

(ffffff) Delete Section 10.4.7 in its entirety without substitution.

(ggggg) In Section 10.4.9.2, delete the exception.

(hhhhh) Amend Section 10.6.1 by deleting "approved by the authority having jurisdiction" without substitution.

(iiiiii) Delete Chapter 11 in its entirety and substitute the following: Single and Multiple-Station Alarms. Single and multiple station alarms shall be installed in occupancies in Class 1 structures as required in the Indiana Building Code, the Indiana Fire Code, and IC 22-11-18, and in accordance with Chapters 4 through 10 of this standard. (*Fire Prevention and Building Safety Commission; 675 IAC 28-1-28; filed Aug 23, 2006, 4:03 p.m.: 20060906-IR-675050104FRA*)