TITLE 675 FIRE PREVENTION AND BUILDING SAFETY COMMISSION

Proposed Rule
LSA Document #13-341

DIGEST

Adds 675 IAC 22-2.5 to adopt the 2012 International Fire Code, first printing, with Indiana amendments to create the 2014 Indiana Fire Code. Repeals 675 IAC 22-2.4. Effective December 1, 2014.

675 IAC 22-2.4; 675 IAC 22-2.5

SECTION 1. 675 IAC 22-2.5 IS ADDED TO READ AS FOLLOWS:

Rule 2.5. 2014 Indiana Fire Code

675 IAC 22-2.5-1 Adoption by reference

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 1. (a) That certain document being titled the International Fire Code, 2012 Edition, first printing, as published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, is hereby adopted by reference as if fully set out in this rule save and except those revisions made in sections 2 through 51 of this rule.

(b) This rule is available for review and reference at the:
Legal and Code Services Section
Indiana Department of Homeland Security
Indiana Government Center South
402 West Washington Street, Room W246
Indianapolis, Indiana 46204

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-1)

675 IAC 22-2.5-2 Chapter 1; administration

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 2. Chapter 1 is amended as follows: (a) Amend Section 101.1 to delete the text and insert the following: 101.1 Title; Availability. This rule shall be known as the 2014 Indiana Fire Code and shall be published, except incorporated documents, by the Department of Homeland Security for general distribution and use under that title. Wherever the term "this code" is used throughout this rule, it shall mean the 2014 Indiana Fire Code.

(b) Amend Section 101.2 to delete the text and insert the following: The provisions of this code shall apply to existing conditions as well as to conditions arising after the adoption thereof. Buildings, systems, and uses legally in existence at the adoption of this code shall be permitted to continue so long as they are maintained in a condition that is equivalent to the quality and fire resistive characteristics that existed when the building was constructed, altered, added to, or repaired.

(c) Amend Section 101.3 to delete the text and insert the following: 101.3 Intent. The intent of this code is to prescribe maintenance, new construction requirements, and operational rules for the safeguarding, to a reasonable degree, of life and property from the hazards of fire or explosion arising from the storage, handling, or use of substances, materials, and devices.

(d) Delete Sections 102.1, 102.2, 102.3, 102.5, 102.6, 102.8, 102.9, and 102.10 in their entirety without

substitution.

(e) Amend Section 102.7 to delete the text and insert the following: 102.7 Referenced codes and standards. The codes and standards referenced in this code shall be those that are listed in Chapter 80 and such codes and standards shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between the provisions of Chapter 80 and the standards directly adopted by the Commission, the standards adopted by the Commission shall govern.

(f) Delete Section 103 in its entirety without substitution.

(g) Delete Sections 104.1, 104.2, 104.3, 104.4, 104.5, and 104.6 without substitution.

(h) Amend Section 104.7 to delete it in its entirety and insert the following: 104.7 Approval. Wherever in this code the State Fire Marshal, the Division of Fire and Building Safety, the chief of the fire department, or the code official are authorized to approve any location, method, material, system, or product in achieving compliance with this code, that decision shall be based on the following:
(1) Investigation or tests conducted by recognized authorities; or
(2) Investigation or tests conducted by technical or scientific organizations; or
(3) Accepted principles.
The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

(i) Delete Section 104.7.1 without substitution.

(j) Amend Section 104.7.2 to delete the second sentence and insert the following: The opinion and report shall be prepared by a design professional as defined in, 675 IAC 6-2(d), and shall analyze the fire safety properties of the design, operation or use of the building or premises and the facilities and appurtenances situated thereon, to recommend necessary changes.

(k) Amend Section 104.7.2 to delete the last sentence without substitution.

(l) Delete Sections 104.8, 104.9, and 104.10 in their entirety without substitution.

(m) Amend Section 104.11 to delete ", in the judgment of the fire chief," in the last sentence without substitution.

(n) Delete Section 105 in its entirety without substitution.

(o) Delete Section 106 in its entirety without substitution.

(p) Delete Section 107.1 without substitution.

(q) Amend Section 107.2.1 by deleting the text after "times" without substitution.

(r) Amend Section 107.2.2 to delete the text and insert the following: Written records of maintenance, tests, and inspections shall be maintained on the premises where the equipment is located or at a corporate central office and shall be made immediately available to the inspection authority on request.

(s) Delete Section 108, Section 109, Section 110, and Section 111 in their entirety without substitution.

(t) Delete Section 113 in its entirety without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-2)

675 IAC 22-2.5-3 Chapter 2; definitions

Authority: IC 22-13-2-2
Affected: IC 10-19-2; IC 22-11-14-1; IC 22-12; IC 22-13; IC 22-14; IC 25-4; IC 25-31; IC 35-47.5-3-1; IC 36-7-2-9; IC 36-8-17-8

Sec. 3. Chapter 2 is amended as follows: (a) Amend Section 201.3 to delete the title and text and insert as follows: Sec. 201.3 Terms defined in other codes. Where terms are not defined in this code and are defined in the Indiana Building Code (675 IAC 13), Indiana Electrical Code (675 IAC 17), Indiana Fuel Gas Code (675 IAC 25), Indiana Mechanical Code (675 IAC 18), or Indiana Plumbing Code (675 IAC 16), such terms shall have the meanings ascribed to them as in those codes.

(b) Amend Section 202 as follows:
(1) Add the definition for Accessible to read as follows: ACCESSIBLE means capable of being reached safely and quickly for operation repair or inspection without requiring those for whom ready access is requisite to climb over or remove obstacles, or to resort to the use of portable access equipment.
(2) Add the definition for Alarm Signal to read as follows: ALARM SIGNAL. An audible or visual signal indicating the existence of an emergency requiring immediate action.
(3) Amend the definition of APPROVED to delete the text and insert to read as follows: APPROVED. As to materials, equipment, design, and types of construction, acceptance by the code official by one (1) of the following methods:
(i) Investigation or tests conducted by recognized authorities; or
(ii) Investigation or tests conducted by technical or scientific organizations; or
(iii) Accepted principles.
The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for the intended purpose.
(4) Add the definition of Automotive Fuel Dispensing Facility to read as follows: AUTOMOTIVE FUEL DISPENSING FACILITY to add "or approved containers" to the end of the definition.
(5) Amend the definition of Automotive Service Station to read as follows: AUTOMOTIVE SERVICE STATION means MOTOR FUEL DISPENSING FACILITY. See Section 2202.1.
(6) Add the definition of Authority Having Jurisdiction to read as follows: 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.
(7) Amend the definition of BLAST AREA to delete the text and insert to read as follows: See 675 IAC 26-3-1.
(8) Amend the definition of BLASTER to delete the text and insert to read as follows: See 675 IAC 26-3-1(e).
(9) Add the definition of Blasting Cap to read as follows: BLASTING CAP. A blasting cap is a shell closed at one (1) end and containing a charge of a detonating compound which is ignited by a safety fuse. It is used for detonating explosives.
(10) Add the definition of Building Code to read as follows: BUILDING CODE means the Indiana Building Code.
(11) Add the definition of Building Official to read as follows: BUILDING OFFICIAL see Code Official.
(12) Amend the definition of BULLET RESISTENT to insert, after the last sentence, the following: Magazines that are required to be bullet resistant shall be constructed using a method described in items (1) through (20) below. Steel and wood dimensions indicated are actual thicknesses. Concrete block and brick dimensions indicated are the manufacturer's represented thicknesses.
1. Exterior of five-eighths (5/8) inch (fifteen and nine-tenths (15.9) mm) steel, lined with an interior of any type of nonsparking material.
2. Exterior of one-half (1/2) inch (twelve and seven-tenths (12.7) mm) steel, lined with an interior of not less than three-eighths (3/8) inch (nine and five-tenths (9.5) mm) plywood.
3. Exterior of three-eighths (3/8) inch (nine and five-tenths (9.5) mm) steel, lined with an interior of two (2) inches (fifty and eight-tenths (50.8) mm) of hardwood.
4. Exterior of three-eighths (3/8) inch (nine and five-tenths (9.5) mm) steel, lined with an interior of three (3) inches (seventy-six and two-tenths (76.2) mm) of softwood or two and one-fourth (2 1/4) inches (fifty-seven and two-tenths (57.2) mm) of plywood.
5. Exterior of one-fourth (1/4) inch (six and four-tenths (6.4) mm) steel, lined with an interior of three (3) inches (seventy-six and two-tenths (76.2) mm) of hardwood.
6. Exterior of one-fourth (1/4) inch (six and four-tenths (6.4) mm) steel, lined with an interior of five (5) inches (one hundred twenty-seven (127) mm) of softwood or five and one-fourth (5 1/4) inches

(one hundred thirty-three and four-tenths (133.4) mm) of plywood.
7. Exterior of one-fourth (1/4) inch (six and four-tenths (6.4) mm) steel, lined with an intermediate layer of two (2) inches (fifty and eight-tenths (50.8) mm) of hardwood, and an interior lining of one and one-half (1 1/2) inches (thirty-eight and one-tenth (38.1) mm) of plywood.
8. Exterior of three-sixteenths (3/16) inch (four and eight-tenths (4.8) mm) steel, lined with an interior of four (4) inches (one hundred one and six-tenths (101.6) mm) of hardwood.
9. Exterior of three-sixteenths (3/16) inch (four and eight-tenths (4.8) mm) steel, lined with an interior of seven (7) inches (one hundred seventy-seven and eight-tenths (177.8) mm) of softwood or six and three-fourths (6 3/4) inches (one hundred seventy-one and four-tenths (171.4) mm) of plywood.
10. Exterior of three-sixteenths (3/16) inch (four and eight-tenths (4.8) mm) steel, lined with an intermediate layer of three (3) inches (seventy-six and two-tenths (76.2) mm) of hardwood, and an interior lining of three-fourths (3/4) inch (nineteen and one-tenth (19.1) mm) of plywood.
11. Exterior of one-eighth (1/8) inch (three and two-tenths (3.2) mm) steel, lined with an interior of five (5) inches (one hundred twenty-seven (127) mm) of hardwood.
12. Exterior of one-eighth (1/8) inch (three and two-tenths (3.2) mm) steel, lined with an interior of nine (9) inches (two hundred twenty-eight and six-tenths (228.6) mm) of softwood.
13. Exterior of one-eighth (1/8) inch (three and two-tenths (3.2) mm) steel, lined with an intermediate layer of four (4) inches (one hundred one and six-tenths (101.6) mm) of hardwood, and an interior lining of three-fourths (3/4) inch (nineteen and one-tenth (19.1) mm) plywood.
14. Exterior of any type of fire-resistant material which is structurally sound, lined with an intermediate layer of four (4) inches (one hundred one and six-tenths (101.6) mm) of solid concrete block or four (4) inches (one hundred one and six-tenths (101.6) mm) of solid brick or four (4) inches (one hundred one and six-tenths (101.6) mm) of solid concrete, and an interior lining of one-half (1/2) inch (twelve and seven-tenths (12.7) mm) plywood placed securely against the masonry lining.
15. Standard eight (8) inch (two hundred three and two-tenths (203.2) mm) concrete block with voids filled with a well-tamped sand/cement mixture.
16. Standard eight (8) inch (two hundred three and two-tenths (203.2) mm) solid brick.
17. Exterior of any type of fire-resistant material which is structurally sound, lined with an intermediate six (6) inch (one hundred fifty-two and four-tenths (152.5) mm) space filled with well-tamped dry sand or a well-tamped sand/cement mixture.
18. Exterior of one-eighth (1/8) inch (three and two-tenths (3.2) mm) steel, lined with a first intermediate layer of three-fourths (3/4) inch (nineteen and one-tenth (19.1) mm) plywood, a second intermediate layer of three and five-eighths (3 5/8) inches (ninety-two and one-tenth (92.1) mm) of a well-tamped dry sand or sand/cement mixture, and an interior lining of three-fourths (3/4) inch (nineteen and one-tenth (19.1) mm) plywood.
19. Exterior of any type of fire-resistant material, lined with a first intermediate layer of three-fourths (3/4) inch (nineteen and one-tenth (19.1) mm) plywood, a second intermediate layer of three and five-eighths (3 5/8) inches (ninety-two and one-tenth (92.1) mm) of a well-tamped dry sand or sand/cement mixture, a third intermediate layer of three-fourths (3/4) inch (nineteen and one-tenth (19.1) mm) plywood, and a fourth intermediate layer of two (2) inches (fifty and eight-tenths (50.8) mm) of hardwood or not less than sixty-eight thousandths (0.068) inch (one and seven-tenths (1.7) mm) of steel, and an interior lining of three-fourths (3/4) inch (nineteen and one-tenth (19.1) mm) plywood.
20. Eight (8) inch thick (two hundred three and two-tenths (203.2) mm) solid concrete.

Methods of construction other than those specified above are acceptable as bullet resistant construction when tested as described below as follows:

(1) Tests to determine bullet resistance shall be conducted on test panels or empty magazines which shall resist five (5) out of five (5) shots placed independently of each other in an area three (3) feet by three (3) feet (nine hundred fourteen and four-tenths (914.4) mm by nine hundred fourteen and four-tenths (914.4) mm).
(2) For ceilings and roofs, the bullet shall be fired at an angle of forty-five (45) degrees from the perpendicular.
(3) For walls and doors, the bullet shall be fired perpendicular to the wall or door.

(13) Amend the definition of CARE SUITE to delete "1014.2.2 through 1014.2.6" and substitute "407.4.3 of the Indiana Building Code".
(14) Add the definition of Code Official to read as follows: CODE OFFICIAL means the division of fire and building safety, the local building official as authorized under IC 36-7-2-9 and local ordinance or the fire department as authorized under IC 36-8-17-8.
(15) Add the definition of Commission to read as follows: COMMISSION means the Indiana Fire

Prevention and Building Safety Commission as set forth at IC 22-12-2-1.
(16) Add the definition of Compatible to read as follows: COMPATIBLE means approved equipment that functions effectively with other approved equipment within an alarm system.
(17) Add the definition for Concession Stand to read as follows: CONCESSION STAND means an outdoor structure from which food or other items are sold during sporting, amusement or entertainment events.
(18) Add the definition of Construction Documents to read as follows: CONSTRUCTION DOCUMENTS. Documents required to obtain a design release in accordance with the General Administrative Rules (675 IAC 12-6) and the rules for Industrialized Building Systems (675 IAC 15).
(19) Add the definition of Control Unit to read as follows: CONTROL UNIT means a combination of equipment that contains the primary and secondary power supplies, receives signals from initiating devices, transmits signals to signaling devices, and electrically supervises the system circuitry.
(20) Add the definition of Deflagration to read as follows: DEFLAGRATION. Deflagration is an exothermic reaction, such as the extremely rapid oxidation of a combustible dust or flammable vapor in air, in which the reaction progresses through the unburned material at a rate less than the velocity of sound. A deflagration can have an explosive effect.
(21) Amend the definition of DISCHARGE SITE to delete the text and insert to read as follows: See 675 IAC 28-1-39.
(22) Add the definition of Display to read as follows: DISPLAY. See 675 IAC 28-1-39.
(23) Amend the definition of DISPLAY SITE to delete the text and insert to read as follows: See 675 IAC 28-1-39.
(24) Add the definition of Division of Fire and Building Safety to read as follows: DIVISION OF FIRE AND BUILDING SAFETY means the Division of Fire and Building Safety of the Indiana Department of Homeland Security created pursuant to IC 10-19-2.
(25) Add the definition of DOT to read as follows: DOT. DOT is the United States Department of Transportation.
(26) Amend the definition of DWELLING UNIT to delete the text and insert to read as follows: DWELLING UNIT means 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.
(27) Add the definition of Electric Blasting Cap to read as follows: ELECTRIC BLASTING CAP. An electric blasting cap is a detonator which consists of a shell closed at one (1) end. The other end contains electric wires which have been sealed into the shell. It contains a charge of detonating compound which is ignited or initiated by applying electric current to the wires protruding from the detonator.
(28) Add the definition of Electrical Code to read as follows: ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.
(29) Amend the definition of EXPLOSIVE to delete "any material determined to be within the scope of USC Title 18: Chapter 40 and also includes any material classified as an explosive other than consumer fireworks, 1.4G (Class C, Common) by the hazardous materials regulations of DOTn 49 CFR" and insert "regulated explosives as defined in IC 35-47.5-3-1".
(30) Amend the definition of EXPLOSIVE MATERIAL to delete the text and insert to read as follows: See 675 IAC 26-3-1.
(31) Amend the definition of FACILITY to delete the text and insert to read as follows: FACILITY means a Class 1 structure as defined in IC 22-12-1-4.
(32) Amend the definition of FALLOUT AREA to delete the text and insert to read as follows: See 675 IAC 28-1-39.
(33) Delete the definition of FIRE ALARM without substitution.
(34) Amend the definition of FIRE ALARM SYSTEM to delete the text and insert to read as follows: FIRE ALARM SYSTEM means a combination of approved equipment that with operation of an alarm initiating device produces an alarm signal.
(35) Add the definition of Fire Apparatus Access Road to read as follows: FIRE APPARATUS ACCESS ROAD. A road that provides fire apparatus access for the servicing fire department to a facility, building or structure or portion thereof. This is a general term inclusive of all other terms such as fire lane, public street, private street, also public or private lot and lane and access roadway.
(36) Add the definition of Fire Code to read as follows: FIRE CODE means the Indiana Fire Code.
(37) Add the definition of Fire Resistant to read as follows: FIRE RESISTANT. Fire resistant refers to the construction designed to provide reasonable protection against fire. For exterior walls of magazines constructed of wood, this shall mean fire-resistance equivalency provided by sheet metal of not less than one hundred seventy-nine ten-thousandths (0.0179) inch (forty-five hundredths (0.45)

mm) (twenty-six (26) manufacturer's standard gage).
(38) Amend the definition of FIREWORKS to delete the text and insert to read as follows: See IC 22-11-14-1.
(39) Amend the definition of FIREWORKS DISPLAY to delete the text and insert to read as follows: See 675 IAC 28-1-39.
(40) Add the definition of Flame Resistant Material to read as follows: FLAME RESISTANT MATERIAL means material that has been modified in its chemical composition by impregnation, coating, or has inherent composition that makes the material resistant to ignition and combustion when exposed to a small ignition source.
(41) Add the definition of Flame Retardant to read as follows: FLAME RETARDANT means an approved chemical, chemical compound, or mixture that, when applied in an approved manner to any fabric or other material, will render such fabric or material incapable of supporting combustion.
(42) Add the definition of Hardwood to read as follows: HARDWOOD. Hardwood refers to types of wood such as red oak, white oak, hard maple, ash, or hickory, each of which is free from knots, wind shakes, or similar defects.
(43) Amend the definition of HIGH PILED COMBUSTIBLE STORAGE as follows:
i. Delete "When required by the fire code official,".
ii. Add a second sentence to read as follows: Aisles separating storage piles and racks shall be included in calculating the storage area.
(44) Amend the definition of HOTWORKS PERMITS by deleting "and prepermitted by the code official" without substitution.
(45) Add the definition of ICC Electrical Code to read as follows: ICC ELECTRICAL CODE means the INDIANA ELECTRICAL CODE (675 IAC 17).
(46) Add the definition of Indiana Building Code to read as follows: INDIANA BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction in accordance with 675 IAC 12-4-7.
(47) Add the definition of Indiana Electrical Code to read as follows: INDIANA ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction in accordance with 675 IAC 12-4-7.
(48) Add the definition of Indiana Energy Conservation Code to read as follows: INDIANA ENERGY CONSERVATION CODE means the Indiana Energy Code in effect at the time of construction in accordance with 675 IAC 12-4-7.
(49) Add the definition of Indiana Fire Code to read as follows: 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 in accordance with 675 IAC 12-4-7.
(50) Add the definition of Indiana Fuel Gas Code to read as follows: INDIANA FUEL GAS CODE means the Indiana Fuel Gas Code in effect at the time of construction in accordance with 675 IAC 12-4-7.
(51) Add the definition of Indiana Mechanical Code to read as follows: INDIANA MECHANICAL CODE mean the Indiana Mechanical Code in effect at the time of construction in accordance with 675 IAC 12-4-7.
(52) Add the definition of Indiana Plumbing Code to read as follows: INDIANA PLUMBING CODE means the Indiana Plumbing Code in effect at the time of construction in accordance with 675 IAC 12-4-7.
(53) Add the definition of Inspection Authority to read as follows: INSPECTION AUTHORITY. See Code Official.
(54) Add the definition of International Building Code to read as follows: INTERNATIONAL BUILDING CODE. See the Indiana Building Code.
(55) Add the definition of International Energy Conservation Code to read as follows: INTERNATIONAL ENERGY CONSERVATION CODE: See the Indiana Energy Conservation Code.
(56) Add the definition of International Mechanical Code to read as follows: INTERNATIONAL MECHANICAL CODE. See the Indiana Mechanical Code.
(57) Add the definition of Intraplant Distance to read as follows: INTRAPLANT DISTANCE. Intraplant distance refers to the minimum distance permitted between two (2) buildings on an explosives manufacturing site, when at least one (1) of the buildings contains or is designed to contain explosives.
(58) Add the definition of International Plumbing Code to read as follows: INTERNATIONAL PLUMBING CODE. See the Indiana Plumbing Code.
(59) Amend the definition of LABELED to delete the text and insert to read as follows: 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 inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with

appropriate standards or performance in a specified manner.

(60) Amend the definition of LISTED to delete the text and insert to read as follows: LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection 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.

(61) Amend the definition of Magazine to delete the text after the first sentence and insert to read as follows: INDOOR. An indoor magazine is a portable structure, such as a box, bin or other container. Indoor magazines shall be fire resistant and theft resistant. Indoor magazines constructed of wood shall have sides, bottoms, and lids or doors constructed of two (2) inch (fifty and eight-tenths (50.8) mm) wood and shall be well braced at corners. The magazines shall be covered on the exterior with steel not less than sixteen-thousandths (0.016) inch (forty-one hundredths (0.41) mm) (twenty-six (26) gage) thick. Indoor magazines constructed of metal shall have sides, bottoms, and lids or doors constructed of not less than ninety-seven thousandths (0.097) inch (two and five-tenths (2.5) mm) (twelve (12) gage) steel and shall be lined with a minimum of one-half (1/2) inch (twelve and seven-tenths (12.7) mm) of nonsparking material.

Exception: Type 5 indoor magazines used for the storage of blasting agents need not be fire resistant.

Indoor magazines need not be bullet resistant or weather resistant if the buildings in which they are stored provide protection from the weather and bullet penetration. Hinges and hasps shall be attached to doors or lids by welding, riveting, or bolting with nuts on the inside so that doors or lids cannot be removed when closed and locked. Each magazine shall be equipped with a steel padlock, which need not be protected by a steel hood, having at least five (5) tumblers with a case-hardened shackle of at least three-eighths (3/8) inch (nine and five-tenths (9.5) mm) diameter. Indoor magazines shall have substantial wheels or casters to facilitate removal from a building in case of emergency. The least horizontal dimension shall not exceed the clear width of the entrance door. Magazines shall be painted red and the lid or door shall bear in conspicuous white lettering, at least three (3) inches (seventy-six and two-tenths (76.2) mm) high, EXPLOSIVES–KEEP FIRE AWAY. The indoor storage of high explosives shall not exceed fifty (50) pounds (twenty-two and seven-tenths (22.7) kg). Detonators shall be stored in a separate magazine from other explosive materials and the total number of detonators stored shall not exceed five thousand (5,000). Indoor magazines containing blasting agents in excess of fifty (50) pounds (twenty-two and seven-tenths (22.7) kg) shall be located in accordance with Table 3304.5.2(1). See also Section 3304.5.

TYPE 1. A Type 1 magazine is a permanent structure, such as a building or igloo that is bullet resistant, fire resistant, theft resistant, weather resistant and ventilated. Floors shall be constructed of wood or other suitable nonsparking materials. Foundations shall be constructed of brick, concrete, cement block, stone, or wood posts. If piers or posts are used in lieu of a continuous foundation, the space under the buildings shall be enclosed with fire-resistant materials.

Where it is possible for a bullet to be fired directly through the roof and into the magazine at such an angle that the bullet could strike the explosives within, the magazine roof shall be bullet resistant or shall be protected by one (1) of the following methods:

1. A sand tray having a depth of four (4) inches (one hundred one and six-tenths (101.6) mm) of sand and located at the top of the inner walls covering the entire ceiling area, except that portion necessary for ventilation.

2. Either not less than thirty-three thousandths (0.033) inch (eighty-four hundredths (0.84) mm) (twenty (20) gage) steel with four (4) inches (one hundred one and six-tenths (101.6) mm) of hardwood or not less than forty-three thousandths (0.043) inch (one and one-tenth (1.1) mm) (eighteen (18) gage) aluminum with seven (7) inches (one hundred seventy-seven and eight-tenths (177.8) mm) of hardwood. Doors shall be bullet resistant. Hinges and hasps shall be attached to the doors by welding, riveting, or bolting with nuts on the inside of the door. Hinges and hasps shall be installed in such a manner that they cannot be removed when the doors are closed and locked. Each door shall be equipped with two (2) mortise locks, two (2) padlocks fastened in separate hasps and staples, a combination of a mortise lock and a padlock, a mortise lock that requires two (2) keys to open, or a three-point or equivalent-type lock that secures the door to the frame at more than one (1) point. Padlocks shall be steel having at least five (5) tumblers and at least a three-eighths (3/8) inch (nine and five-tenths (9.5) mm) diameter case-hardened shackle. Padlocks shall be protected by not less than one-fourth (1/4) inch (six and four-tenths (6.4) mm) steel hoods constructed in a manner which prevents sawing or lever action on the locks, hasps, and staples.

Exception: Magazine doors that are secured on the inside by means of a bolt, lock, or bar that cannot be actuated from the outside.

Ventilation shall be provided to prevent dampness and heating of stored explosive materials.

Ventilation openings shall be screened to prevent the entrance of sparks. Ventilation openings in side walls and foundations shall be offset or shielded for bullet-resistant purposes. Magazines having foundation and roof ventilators with the air circulating between the side walls and the floors and between the side walls and the ceiling shall have a wooden lattice or equivalent to prevent the packages of explosive materials from being stacked against the side walls and blocking the air circulation. Sparking material shall not be exposed to contact with the stored explosive materials. Ferrous metal nails in the floor and side walls, which could be exposed to contact with explosive materials, shall be blind nailed, countersunk, or covered with a nonsparking latticework or other nonsparking material. See also Section 3304.5.

TYPE 2 MAGAZINES. A Type 2 magazine shall be a box, trailer, semi trailer, or other mobile facility. A Type 2 magazine shall be bullet resistant, fire resistant, weather resistant, theft resistant, and ventilated. Walls, ceiling and roof construction, hinges, hasps, locks, ventilation, and interior construction shall be constructed as required for Type 1 magazines. Type 2 magazines shall be supported to prevent the floor from having direct contact with the ground. Magazines less than one (1) cubic yard (seventy-six hundredths (0.76) m3) in size shall be fastened to a fixed object to prevent theft of the entire magazine. Vehicular magazines shall be immobilized by removing the wheels, locking with a kingpin locking device, or other approved methods.

TYPE 3 MAGAZINES. A Type 3 magazine shall be a "day box" or other portable magazine. Type 3 magazines shall be theft resistant, fire resistant, and weather resistant. Type 3 magazines shall be constructed of not less than ninety-seven thousandths (0.097) inch (two and five-tenths (2.5) mm) (twelve (12) gage) steel lined with at least one-half (1/2) inch (twelve and seven-tenths (12.7) mm) plywood or Masonite. Doors shall overlap sides by at least one (1) inch (twenty-five and four-tenths (25.4) mm). Hinges and hasps shall be attached by welding, riveting, or bolting with nuts on the inside. Type 3 magazines shall have one (1) steel padlock having at least five (5) tumblers and a case-hardened shackle of at least three-eighths (3/8) inch (nine and five-tenths (9.5) mm) diameter. Explosive materials shall not be left unattended in a Type 3 magazine. When Type 3 magazines will be left unattended, explosive materials shall first be moved to a Type 1 or 2 magazine.

TYPE 4 MAGAZINES. A Type 4 magazine shall be a permanent, portable, or mobile structure, such as a building, igloo, box, semi trailer, or other mobile container, which shall be fire resistant, theft resistant, and weather resistant. Outdoor magazines shall be constructed of masonry, metal-covered wood, fabricated metal, or a combination of these materials. Doors shall be metal or solid wood covered with metal. Permanent magazines shall be constructed as required for Type 1 magazines with respect to foundations, floors, ventilation, and locking devices. Vehicular magazines shall be immobilized when unattended as required for Type 2 magazines.

TYPE 5 MAGAZINES. A Type 5 magazine shall be a building, igloo, box, bin, tank, semi trailer, bulk-trailer, tank trailer, bulk truck, tank truck, or other mobile container. Outdoor Type 5 magazines shall be weather resistant and theft resistant. Construction shall be of wood, wood covered with metal, masonry, fabricated metal, or a combination of these materials. Doors shall be metal or solid wood. Permanent Type 5 magazines shall be constructed as required for Type 1 magazines with respect to foundations, floors, ventilation, and locking devices. Vehicular magazines shall be immobilized when unattended, as required for Type 2 vehicular magazines. Over-the-road trucks and semi trailers used for temporary storage shall have each door locked with one (1) steel padlock having at least five (5) tumblers and a case-hardened shackle of at least three-eighths (3/8) inch (nine and five-tenths (9.5) mm) diameter. The door hinges and lock hasp shall be securely fastened to the magazine and the door frame.

Exception: Magazine doors that are adequately secured on the inside by means of a bolt, lock, or bar that cannot be actuated from the outside. Type 5 storage magazines in trailers shall display BLASTING AGENT placards on the trailer when any quantity of blasting agents is contained therein.

(62) Add the definition of Marine Service Station to read as follows: MARINE SERVICE STATION means MARINE MOTOR FUEL DISPENSING FACILITY. See Section 2202.1.

(63) Add the definition for Mechanical Code to read as follows: MECHANICAL CODE means the Indiana Mechanical Code in effect in Indiana at the time of construction in accordance with 675 IAC 12-4-7.

(64) Amend the definition of Mortar to delete the text and insert to read as follows: See 675 IAC 28-1-39.

(65) Add the definition of NFPA 70, National Electrical Code to read as follows: NFPA 70, NATIONAL ELECTRICAL CODE. See the Indiana Electrical Code.

(66) Amend the definition of Occupancy Classification to delete the text and insert to read as follows: OCCUPANCY CLASSIFICATION. Occupancy classification shall be as specified in the Indiana Building Code in effect at the time of construction, alteration, or change of occupancy.

(67) Add the definition of Percussion Cap to read as follows: PERCUSSION CAP. A percussion cap is a

device used to ignite the powder charge of small arms ammunition.
(68) Add the definition of Plumbing Code to read as follows: PLUMBING CODE means the Indiana Plumbing Code in effect at the time of construction in accordance with 675 IAC 12-4-7.
(69) Add the definition of Plywood to read as follows: PLYWOOD. Plywood refers to a type of wood product with a grade of A-C exterior grade plywood.
(70) Amend the definition of Proximate Audience to delete the text and insert to read as follows: See 675 IAC 22-2.2-26.
(71) Amend the definition of Pyrotechnic Composition to delete the text and insert to read as follows: See IC 22-1-14-1.
(72) Amend the definition of Pyrotechnic Special Effect Material to delete the text and insert to read as follows: See 675 IAC 22-2.2-26.
(73) Add the definition of Qualified Person to read as follows: QUALIFIED PERSON. A person having successfully completed a course of instruction related to the equipment being installed, serviced, or repaired. Such instruction shall be provided by the manufacturer of the equipment or their authorized representative.
(74) Add a definition for Qualified Person to read as follows: QUALIFIED PERSON means a person who documentation that he/she has successfully completed instruction related to the equipment being installed, serviced, or repaired.
(75) Delete the definition of RECORD DRAWINGS without substitution.
(76) Amend the definition of REGISTERED DESIGN PROFESSIONAL to delete the text and insert to read as follows: REGISTERED DESIGN PROFESSIONAL means an architect who is registered under IC 25-4 or professional engineer registered under IC 25-31. If a registered design professional is not required by 675 IAC 12-6 or 675 IAC 15, then it means the owner.
(77) Add the definition of Safety Cap to read as follows: SAFETY CAP. See 675 IAC 28-1-39.
(78) Add the definition of Servicing Fire Department to read as follows: SERVICING FIRE DEPARTMENT see CODE OFFICIAL.
(79) Add the definition of Sky Lantern to read as follows: SKY LANTERN. Lanterns, also known as Chinese lanterns, sky candles, wish lanterns or fire balloons, that are unmanned, airborne lanterns or similar devises that contain a small candle or other flammable fuel cell. Once ignited, the fuel cell produces an open flame which heats the air inside of the lantern, or similar device, and propels the lantern or device into the atmosphere.
(80) Add the definition of Softwood to read as follows: SOFTWOOD. Softwood refers to types of wood such as Douglas fir, pine, or other softwood of equal bullet-resistance free from loose knots, wind shakes, or similar defects.
(81) Amend the definition of SPECIAL AMUSEMENT BUILDING to delete the text and insert: See Indiana Building Code.
(82) Add the definition of Spray Area to read as follows: SPRAY AREA means an area in which quantities of flammable vapors or combustible residues, dusts, or deposits are present due to the operation of spraying processes.
(83) Add the definition of Spray Booth to read as follows: SPRAY BOOTH means a mechanically ventilated appliance of varying dimensions and construction provided to enclose or accommodate a spraying operation and to confine and limit the escape of spray vapor and residue and to exhaust it safely.
(84) Add the definition of Spray Room to read as follows: SPRAY ROOM means a room designed to accommodate spraying operations complying with the building code requirements for a Group H, Division 2 Occupancy.
(85) Amend the definition of SPRAYING SPACE to delete the last sentence without substitution.
(86) Add the definition of Story to read as follows: STORY means 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.
(87) Add the definition of Steel to read as follows: STEEL. Steel refers to a type of metal such as general purpose, hot- or cold-rolled, low carbon steel.
(88) Add the definition of Supervised to read as follows: SUPERVISED means that there is an attendant present to oversee the operation of the dispensing devices.
(89) Add the definition of Swimming Pool Code to read as follows: SWIMMING POOL CODE means the Indiana Swimming Pool, Spa and Water Attraction code.
(90) Add the definition of Temporary Structure to read as follows: TEMPORARY STRUCTURE. See 675

IAC 22-2.2-26.
(91) Add the definition of Townhouse to read as follows: TOWNHOUSE means a single-family dwelling unit constructed in a group of three (3) or more attached units in which each unit:
(1) extends from foundation to roof;
(2) is not more than three (3) stories in height;
(3) is separated from each adjoining unit by:
(A) two (2) one (1) hour fire-resistance rated walls with exposure from both sides; or
(B) a common two (2) hour fire-resistance rated wall; and
(4) has open space on at least two (2) sides.
(92) Add the definition of Trained to read as follows: TRAINED means one who has undergone the instructions necessary to design, install, and perform the maintenance and recharge service.
(93) Add the definition of Transient to read as follows: TRANSIENT means the use of an R-1 Occupancy by an individual for less than thirty (30) days.
(94) Add the definition of Unsupervised to read as follows: UNSUPERVISED means that there is not an attendant present to oversee the operation of the dispensing devices.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-3)

675 IAC 22-2.5-4 Chapter 3; general precautions against fire

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 4. Chapter 3 is amended as follows: (a) Delete Section 301.2 in its entirety without substitution.

(b) Amend Section 303.5 to insert, after "portable" and before "fire", the following: dry chemical type, in the first sentence.

(c) Amend Section 304.1.2 to delete the last sentence in its entirety without substitution.

(d) Amend Section 304.2 to delete the text and insert the following: Storage of combustible rubbish shall not produce conditions that will create a fire hazard that endangers the safety of persons or property.

(e) Amend Section 307.1.1 to delete the text and insert the following: Discontinuance. The fire chief is authorized to require open burning be immediately discontinued if such open burning constitutes a hazardous condition.

(f) Amend Section 307.2 to delete the title and text and insert the following: Notification. Prior to commencement of open burning, the fire department having jurisdiction shall be notified.

(g) Amend Section 307.2.1 to delete the title and text and insert the following: Material restrictions. Open burning of rubbish is prohibited.

(h) Delete Section 307.3 without substitution.

(i) Amend Section 307.5 to delete the text and insert the following: Burning material shall be constantly attended by a person knowledgeable in the use of the fire-extinguishing equipment required by this section and familiar with any limitations which restrict open burning. An attendant shall supervise the burning material until the fire has been extinguished.

(j) Amend Section 308.1.3 to insert, as the last sentence of the section, the following: Prior to using a torch or flame-producing device to remove paint from a structure, the fire department having jurisdiction shall be notified.

(k) Amend Section 308.1.4 by deleting Exception 3 without substitution.

(l) Amend Section 308.1.6 to delete all text after "wildlife risk areas," in the first sentence and insert the following: when approved.

(m) Add Section 308.1.6.3 to read as follows: 308.1.6.3. Sky Lanterns. No person shall release or cause to be released a sky lantern with the intention of causing the lantern to lift into the atmosphere unless the lantern is anchored or tethered to the person's property such that the lantern cannot freely lift into the atmosphere.

(n) Amend Section 308.1.7 to delete "in the opinion of the code official, adequate" and insert the following: approved.

(o) Amend Section 308.2 to delete "Permits shall be obtained from the fire code official in accordance with Section 105.6" and insert the following: The fire department having jurisdiction shall be notified.

(p) Amend Section 308.3 as follows:
(1) Delete the section heading "Group A Occupancies" and insert "Affected Occupancies".
(2) In the first sentence, delete "a Group A Occupancy" and insert "any occupancy other than Group R-2, apartment houses, convents, fraternities and sororities, hotels, monasteries, motels and vacation time share properties, Group R-3 and Group R-4 occupancies".

(q) Amend Section 310.2 to delete the text and insert the following: Whenever smoking constitutes a fire hazard in any area of piers, wharfs, warehouses, stores, industrial plants, institutions, schools, places of assembly, and in open spaces where combustible materials are stored or handled, the fire chief is authorized to order the owner or occupant to post approved NO SMOKING signs in each building, structure, room, or place in which smoking is prohibited. Such signs shall be conspicuously and suitably located and shall be maintained.
Exceptions:
1. Buildings or structures which are smoke-free environments and are posted as such at all public and employee entrances.
2. No visible evidence of prohibited smoking exists within the building or structure.

(r) Delete Section 310.3 without substitution.

(s) Delete Section 311.1.1 without substitution.

(t) Amend Section 311.2.1 to delete the text and insert the following: Exterior and interior openings accessible to other tenants or unauthorized persons shall be boarded, locked, blocked or otherwise protected to prevent entry by unauthorized individuals. The fire code official is authorized to post signs, erect barrier tape or take similar measures as necessary to secure public safety.

(u) Amend Section 311.2.2 as follows:
(1) In Exception 1, delete "in the opinion of the fire code official" and insert "where approved by the code official" and insert, at the end of the Exception, the following: The premises shall be identified in accordance with 901.7.2 and 901.7.3.
(2) In Exception 2, delete "approved by the fire chief," and insert, at the end of the Exception, the following: The premises shall be identified in accordance with 901.7.2 and 901.7.3.

(v) Amend Section 311.5 to delete the text and insert the following: Any vacant or abandoned buildings or structures determined to be unsafe shall be marked as required by local ordinance.

(w) Delete Section 311.5.1 without substitution.

(x) Delete Section 311.5.2 without substitution.

(y) Delete Section 311.5.3 without substitution.

(z) Delete Section 311.5.4 without substitution.

(aa) Delete Section 311.5.5 without substitution.

(bb) Amend Section 314.2 Fixtures and Displays to delete the text and insert to read as follows: Fixtures and displays of goods for sale to the public shall be arranged and secured so as to maintain free, immediate and unobstructed access to exits as required by Chapter 10.

(cc) Delete Section 315.2 without substitution.

(dd) Amend Section 315.3.1 to add an exception: Exception: Sidewall storage to a maximum depth of thirty inches (seventy-six and two-tenths (76.2) centimeters) of in-rack storage shall be acceptable to the ceiling in nonsprinklered buildings.

(ee) Amend Section 316.2.1 to delete "from the outside of the building" at the end of the paragraph without substitution.

(ff) Delete Section 316.4 without substitution.

(gg) Delete Section 316.6 without substitution.

(hh) Delete Section 318 in its entirety without substitution.

(ii) Insert Section 319 to read as follows: SECTION 319. CARNIVALS AND FAIRS
319.1 General. The grounds of carnivals and fairs, including concession booths, shall be in accordance with Section 319.
319.2 Grounds.
319.2.1 General. Grounds shall be in accordance with Section 319.2.
319.2.2 Access. Fire apparatus access roads shall be provided in accordance with Section 503.
319.2.3 Fire appliances.
319.2.3.1 General. Fire appliances shall be provided for the entire midway, as approved by the chief.
319.2.3.2 Location. Maximum travel distance to a portable fire extinguisher shall not exceed seventy-five (75) feet (twenty-two and eighty-six hundredths (22.86) meters).
319.2.5 Electrical equipment. Electrical equipment and installations shall comply with the Indiana Electrical Code (675 IAC 17).
319.3 Concession Stands.
319.3.1 General. Concession stands shall be in accordance with Section 319.3.
319.3.2 Location. Concession stands utilized for cooking shall have a minimum of ten (10) feet (three and forty-eight thousandths (3.048) meters) of clearance on two (2) sides and shall not be located within ten (10) feet (three and forty-eight thousandths (3.048) meters) of amusement rides or devices.
319.3.3 Fire extinguishers. A K-rated wet chemical fire extinguisher shall be provided where deep-fat fryers are used.
319.3.4 Hinges, awnings, and braces must be safety keyed. Nails shall not be used for hinge or support pins.
319.3.5 When tent stakes and ropes extend into traffic areas, highly visible covers shall be provided.
319.4 Internal Combustion Power Sources.
319.4.1 General. Internal combustion power sources, including motor vehicles, generators, and similar equipment, shall be in accordance with Section 319.4.
319.4.2 Fueling. Fuel tanks shall be of adequate capacity to permit uninterrupted operation during normal operating hours. Refueling shall be conducted only when the ride is not in use.
319.4.3 Protection. Internal combustion power sources shall be isolated from contact with the public by either physical guards, fencing, or an enclosure.
319.4.4 Fire extinguishers. A minimum of one (1) fire extinguisher with a rating of not less than

2-A:10-B:C shall be provided.
319.4.5 Notification. The servicing fire department shall be notified not less than seventy-two (72) hours prior to the admission of the public.
319.4.6 Vehicular traffic. No vehicle except emergency fire or rescue equipment shall be permitted on the midway from the time the midway opens until closing (including owners, operators, vendors, and service vehicles).

(jj) Insert Section 320 to read as follows: SECTION 320 HAUNTED HOUSES AND SIMILAR INSTALLATIONS. This section applies to haunted houses and similar installations legally in existence at the adoption of this code. Any interior within a structure not designed for this specific use shall comply with the following and all other applicable rules:
(1) In any facility using the maze concept, there shall be no dead-end corridors and there shall be an obvious exit out of the maze for every fifty (50) feet (fifteen and twenty-four hundredths (15.24) meters) of linear travel. All stairways shall be illuminated at a level of a least one (1) foot-candle (eleven (11) lux).
(2) A group shall consist of twenty (20) individuals or fewer. Each group shall be accompanied or supervised by a staff person who is eighteen (18) years of age or older. This staff person shall have in his or her possession an operable flashlight and shall be completely familiar with the facility.
(3) There shall be no smoking allowed at any time by anyone inside the building.
(4) All electrical installations shall meet 675 IAC 17, the Indiana Electrical Code.
(5) The servicing fire department shall be contacted at least three (3) working days prior to the placing of the facility in operation for an inspection and planning of evacuation procedures. A sketch of the floor plan shall be provided to the servicing fire department to facilitate these procedures.
(6) The total number of occupants in the facility at any time shall be limited to the number allowed by the total exits from the installation, as determined by the Indiana Building Code (675 IAC 13) in effect at the time of construction of the building, building system, or alterations.
(7) Fire extinguishers shall be distributed throughout the building so that no more than seventy-five (75) feet (twenty-two and eighty-six hundredths (22.86) meters) must be traversed to each fire extinguisher.
(8) There shall be no open flame devices or temporary heaters used in the building.
(9) Automatic smoke detectors shall be installed in accordance with NFPA 72 (675 IAC 22-2.2). All smoke detectors shall be interconnected so that when one is activated, all are activated. When activated, the alarm shall be loud enough to be heard over all other sounds or the activation shall automatically shut down all sound devices within the facility.
(10) All areas of a maze shall be at least three (3) feet (ninety-one and four-tenths (91.4) centimeters) wide and five (5) feet (one and five hundred twenty-four thousandths (1.524) meters) high, except that a section not exceeding four (4) feet (one and twenty-two hundredths (1.22) meters) in length may be two (2) feet (sixty and ninety-six hundredths (60.96) centimeters) high and two (2) feet (sixty and ninety-six hundredths (60.96) centimeters) wide. There shall not be more than one (1) such four (4) foot (one and twenty-two hundredths (1.22) meter) section in every fifty (50) linear feet (fifteen and twenty-four hundredths (15.24) meters).
(11) All material used in all display areas of a haunted house and all material used in the construction of a maze shall be inherently flame-resistant or made so by treatment with a flame retardant. All substances used to make materials flame-resistant shall be applied in accordance with the manufacturer's instructions, and the containers and proof of purchase of the substances shall be retained for inspection by the code official.

(kk) Insert Section 321 to read as follows: SECTION 321 FIRE SAFETY IN RACETRACK STABLES
321.1 Scope. Racetrack stables shall be in accordance with this section.
321.2 Definitions
For purposes of this section, the following definitions apply:
ASSIGNED BARN. The barn area where a trainer has been allocated stalls and space for the trainer's horses and equipment.
ASSISTANT TRAINER. The person next to the listed trainer of record, and the one who frequently handles the day-to-day affairs in training a horse or horses.
CONCESSIONAIRES. The holders of a concession, such as the track kitchen, granted by the racetrack management.
HALTER. Piece of equipment that fits around a horse's head, like a bridle, but lacking a bit. It is used in handling horses around the stable. In the event of a fire, horses can be led from stalls by halters.

MECHANICAL HOTWALKER. An electrical device that automatically walks a horse or several horses in a circle with an approximate radius of ten (10) to fifteen (15) feet (three and forty-eight thousandths (3.048) to four and fifty-seven hundredths (4.57) meters).
MIXED OCCUPANCY. A building or stable area where both horses and humans reside.
RACETRACK MANAGEMENT. The persons who control or execute the affairs of the track itself.
TACK. Stable gear; also rider's racing equipment.
TACK ROOM. A storage area for tack and stable equipment.
TRACK SECURITY. Persons employed to protect racetrack property and to ensure the proper passage of licensed personnel; track security may be internal or external.
TRAINER. The person responsible for the care and training of a horse or horses.

321.3 Management responsibilities.

321.3.1 All trainers or a designated assistant and all concessionaires or a designated assistant shall serve as liaison between the track security and fire protection supervisors and the employees of the trainers and concessionaires.

321.3.2 All trainers or their assistants and all concessionaires or their assistants shall acquaint themselves with and brief their employees as to the following:

(1) Smoking regulations.
(2) Location of fire alarm notification system devices in the immediate area of an assigned barn.
(3) Location of all fire extinguishers and extinguishing equipment in assigned barn area.
(4) Regulations regarding occupancy, use of extension cords for extending electrical circuits, and use of electrical appliances.
(5) Regulations regarding storage and use of feed, straw, tack, and supplies.
(6) Track regulations with regard to fire and security, copies of which shall be provided to all trainers or their assistants and concessionaires or their assistants. These regulations shall be used in instructing members of the trainers' and concessionaires' staffs assigned to the barn area.

321.3.3 Open burning. Open burning is prohibited. Open flame heating devices are prohibited. Un-vented portable oil-burning heating appliances are not permitted in stables.

321.3.4 Smoking. Smoking is prohibited in assigned barns. Approved "No Smoking" signs shall be posted in assigned barns.

321.3.5 Trash removal. All combustible trash and waste shall be removed from all buildings daily. Noncombustible trash and waste containers shall be provided for other than stall waste and shall be emptied daily.

321.3.6 Hay or straw storage. Storage shall not exceed the amount for two (2) days' use by the horses in the assigned barn. All other hay and straw must be in a separate, approved outside storage area. Hay and straw piles shall not exceed twenty (20) bales (rectangular) per pile and shall not exceed seven (7) feet (two and thirteen-hundredths (2.13) meters) in height. Each pile must be separated by a distance of not less than fifty (50) feet (fifteen and twenty-four hundredths (15.24) meters). Hay and straw shall not be stored in aisle space or in aisles.

321.3.7 Electrical systems and appliances.

321.3.7.1 The use of any portable electrical appliance shall be as follows:

(1) Multiple-outlet adapters are prohibited.
(2) Not more than one (1) continuous extension cord shall be used to connect one (1) appliance to the fixed electrical receptacle, and such cord shall be listed for hard service and properly sized for the intended application.
(3) Extension cords shall not be used as a insert for permanent wiring.

321.3.7.2 Extension cords shall not be supported by any metal object, such as a nail, screw, hook, or pipe.

321.3.7.3 Plug caps and receptacles used in extension cords shall be heavy-duty type equipped with a reliable grounding pole and attached to the cord in a manner to provide strain relief.

321.3.7.4 All electrical appliances used in the stable area shall be listed for the use.

321.3.7.5 Outdoor electrical appliances, for example, mechanical hotwalkers, served by the barn electrical system shall be installed in accordance with the Indiana Electrical Code (675 IAC 17).

321.3.7.6 Portable cooking and heating appliances shall not be used in assigned barns.

321.3.7.7 Use of exposed-element heating appliances is prohibited.

321.3.7.8 The storage of flammable and combustible liquids, except those used for medicinal purposes, is prohibited.

321.3.7.9 Vehicles shall not be permitted in assigned barns. Aisles shall be maintained clear of obstructions at all times, and access to fire equipment shall not be blocked.

321.4 Animal evacuation.

321.4.1 Every horse shall wear a halter at all times while inside the assigned barn.

321.4.2 Horses shall be restricted to ground level stalls.

321.4.3 An assigned barn escape plan shall be established for each stable building.
321.4.4 The assigned barn escape plan shall be posted by each exit from the assigned barn, and a copy shall be given to all stall renters.
321.4.5 A fire safety and evacuation drill shall be conducted quarterly for employees only.
321.4.6 A predetermined location shall be designated for placement of horses when they are evacuated from the assigned barns.
321.4.7 Racetrack management shall ensure that all employees are trained in the assigned barn escape plan.
321.5 Where automatic sprinklers are installed, they shall be installed, tested, and maintained in accordance with the applicable rules of the commission.
321.6 Fire extinguishers shall be provided in all assigned barns as follows:
(1) Fire extinguishers shall have a minimum 2A rating.
(2) Fire extinguishers shall be placed so that travel distance shall be not more than seventy-five (75) feet (twenty-two and eighty-six hundredths (22.86) meters) from any point within a building.
(3) Fire extinguishers within twenty (20) feet (six and ninety-six thousandths (6.096) meters) of electrical control boxes shall have a Class C rating.
(4) Fire extinguishers shall be installed, tested, and maintained in accordance with the applicable rules of the commission.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-4)

675 IAC 22-2.5-5 Chapter 4; emergency planning and preparedness

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 5. Chapter 4 is amended as follows: (a) Amend Section 403.1 to delete the text and insert the following: Section 403.1 Fire Watch Personnel, to read as follows: Whenever, it is essential for public safety in any Class 1 structure or any other place where people congregate, due to the number of persons or the nature of the activity being conducted, the fire chief may require the owner, agent or lessee to employ one (1) or more qualified persons, to be approved by the fire chief, to be on duty in such Class 1 structure to serve as a fire watch. Such persons shall:
(1) Be subject to the fire chief's orders at all times;
(2) Be in uniform; and
(3) Remain on duty at all times that such Class 1 structure is open to the public.
Such persons shall not be required or permitted, while on duty, to perform any duties other than the fire watch.

(b) Add Section 403.1.2 Qualified Person as follows: 403.1.2 Qualified Person. For the purposes of Section 403, qualified person means a person who has been trained to meet, and is capable of carrying out the duties and requirements listed in Section 403.1.1 and is acceptable to the fire chief over the jurisdiction wherein the fire watch is taking place.

(c) Amend Section 403.2 by deleting "fire" before "code official" in two (2) places without substitution.

(d) Amend Section 403.3, Crowd Managers, to delete the text and insert to read as follows: Section 403.3 Crowd Managers. Trained crowd managers shall be provided, when required by local ordinance. Crowd managers, whether employees or volunteers shall be trained in fire emergency procedures described in Section 406 of this code.

(e) Add Section 403.4 to read as follows: 403.4 Overcrowding. Overcrowding and admittance of persons beyond the approved occupant load are prohibited. The code official, upon finding:
(1) Overcrowding conditions or obstructions in aisles, corridors, or other means of egress; or
(2) A condition that constitutes a serious menace to life; is authorized to cause all activities in the room or space to cease until such overcrowding, obstructions, or conditions are corrected. The code official is also authorized to order the evacuation of the building, if necessary, to eliminate the overcrowding.

(f) Delete Section 404.3.3 without substitution.

(g) Amend Section 404.5.1 to insert "posted" between "be" and "distributed" in the first sentence.

(h) Amend Section 405.1 to delete "or when required by the fire code official" without substitution.

(i) Amend Section 405.6 to delete "Where required by the fire code official," without substitution.

(j) Delete Section 406.3.3 without substitution.

(k) Amend Section 407 as follows:
(1) Amend Section 407.1 to delete the text and insert the following: Section 407.1 General. For Hazard Communication requirements, see Chapter 50.
(2) Delete Sections 407.2, 407.3, 407.4, 407.5, 407.6, and 407.7 without substitution.

(l) Amend Section 408.5.5 to insert "all" after "of" and before "residents".

(m) Amend Section 408.7.3 to delete the text and insert the following: Provisions shall be made for residents in Use Conditions 3, 4, and 5 as defined in the Indiana Building Code (675 IAC 13) Section 308.4 to immediately notify staff of an emergency.

(n) Amend Section 408.8.1 to insert "in accordance with Appendix A-1" after "diagram" and before "depicting".

(o) Delete Section 408.8.3 without substitution.

(p) Amend Section 408.9.1 to insert "See Appendix A-2." at the end of the last sentence.

(q) Amend Section 408.9.2 to delete the text and insert to read as follows: Emergency Duties. Upon discovery of a fire or suspected fire, dormitory employees shall perform the following duties:
1. Activate the fire alarm system, where provided
2. Notify the public fire department
3. Take other action as previously instructed

(r) Amend Section 408.11.1.2 to delete the second sentence and insert "The code official shall be notified when there are changes in tenants or occupancies."

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-5)

675 IAC 22-2.5-6 Chapter 5; fire services features

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 6. Chapter 5 is amended as follows: (a) Amend Section 501.2 to delete the text and insert to read as follows: Address Identification. When not required by local ordinance, buildings shall be provided with approved address numbers, building numbers or approved building identification placed in a position that is plainly legible and visible from the street or road frontage fronting the property. These numbers shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall be a minimum of 4 inches (101.6 mm) high with a minimum stroke width of .5 inch (12.7 mm). Address numbers shall be maintained.

(b) Amend Section 501.3 to delete "and approval" without substitution.

(c) Amend Section 502.1 to insert a new definition as follows: FIRE APPARATUS ACCESS ROAD. A road that provides not only fire apparatus access for the servicing fire department, but provides same

access for any local or state law enforcement agency, for any servicing emergency medical agency and for any local or state emergency response agency to a facility, building or structure or portion thereof. This is a general term inclusive of all other terms such as fire lane, public street, private street, also public or private lot and lane and access roadway.

(d) Amend Section 503.1.1 to delete the text and insert as follows: Buildings and facilities. Approved fire apparatus access roads shall be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction. The fire apparatus access road shall comply with the requirements of this section and shall extend to within 150 feet (45.72 m) of all portions of the facility and all portions of the exterior walls of the first story of the building as measured around the perimeter of the exterior of the building or facility.

Exception: Buildings protected throughout by a supervised automatic fire sprinkler system and not used for high-piled combustible storage in excess of twelve thousand (12,000) square feet.

(e) Add Section 503.1.4 to read as follows: 503.1.4. For exterior lumber storage, see Section 2809.

(f) Amend Section 503.2.2 to delete the text and insert the following: Vertical clearances or widths required by this section shall be increased when vertical clearances or widths do not provide fire apparatus access for the largest vehicle available to the servicing fire department.

(g) Amend Section 503.2.3 to delete the text and insert the following: Fire apparatus access roads shall be designed, constructed and maintained to support the imposed loads. Ground clearances shall be provided from chassis frame structure and appurtenances and shall be surfaced so as to provide all weather driving capabilities for the largest and heaviest piece of apparatus available to the servicing fire department. All weather driving capability shall mean a surface such as asphalt, concrete, compacted gravel, road pavers, or other approved materials that the apparatus can safely traverse during normal periods of rain, ice, and snow.

(h) Amend Section 503.2.4 to delete the text and insert the following: The turning radius of a fire apparatus access road shall be determined after consultation with the servicing fire department and shall be at least equal to the minimum required radius for the fire apparatus. Such roads shall be designed and constructed to permit turning of the longest piece of fire apparatus available to the servicing fire department.

(i) Amend Section 503.2.5 to delete the text and insert the following: Dead-end fire apparatus access roads in excess of one hundred fifty (150) feet in length shall be designed and constructed so as to allow the turning around of the longest piece of fire apparatus available to the servicing fire department.

(j) Amend Section 503.2.6 as follows:
(1) In the first sentence, after "in", insert "an approved manner".
(2) In the first sentence, delete "accordance with AASHTO HB 17".
(3) In the third sentence, delete "when required by the code official".
(4) Amend the last sentence to delete the text and insert to read as follows: Where elevated surfaces designed for emergency vehicle use are adjacent to surfaces which are not designed for such use, approved barriers or approved signs shall be installed.

(k) Amend Section 503.2.7 to delete the text and insert to read as follows: The gradient for all fire apparatus access roads shall not exceed the maximum that the apparatus available to the servicing fire department can accommodate.

(l) Amend Section 503.2.8 to delete the title and text and insert to read as follows: Angles of approach, breakover, and departure. The angles of approach, breakover and departure for fire apparatus access roads shall be within the navigational limits of the largest piece of apparatus available to the servicing fire department.

(m) Amend Section 503.3 to delete the text and insert to read as follows: When required by local

ordinance, signs, or other notices shall be provided and maintained for the fire apparatus access roads to identify such roads and prohibit the obstruction thereof.

(n) Amend Section 503.4.1 to delete the text and insert the following: Traffic calming devices. Traffic calming devices installed on fire department access roads shall accommodate all navigational requirements of the largest piece of apparatus available to the servicing fire department, in accordance with Section 503.2.

(o) Amend Section 503.5, by inserting "When required by local ordinance," at the beginning of the first sentence.

(p) Amend Section 503.5.1 as follows:
(1) Insert "approved by" before "the code official" in the last sentence.
(2) Delete "the" and insert "their" in the exception.

(q) Amend Section 504.1 to delete the last sentence without substitution.

(r) Amend Section 504.2 to delete the first sentence and insert to read as follows: Required fire department access doors, exit and exit access doors shall not be obstructed or eliminated and shall comply with Chapter 10.

(s) Amend Section 505.1 to delete "Where required by the fire code official" and insert an exception to read as follows:
Exception: Secured sites manned with on site, full-time 24 hour response teams who escort responding fire departments may omit address numbers, building numbers or building identification on individual buildings.

(t) Add Section 505.1.1 to read as follows: 505.1.1 Additional Numbers. New and existing Class 1 structures that have three (3) or more separate tenants where such tenants have both a front or main entrance and a rear entrance with an all weather surface for vehicular traffic that is tenant specific, such rear entrance shall have a posted address visible from the all weather surface.

(u) Amend Section 506.1 to delete the text and insert to read as follows: 506.1. When Required. Whenever the servicing fire department has instituted a key box emergency access system, a key box compatible with that system shall be installed in an accessible location if:
(1) The building is protected with an automatic sprinkler system equipped with a local or transmitted water-flow alarm, or
(2) The building is provided with any fire alarm system equipped with an outside audible/visual signaling device, or
(3) The building is provided with any fire alarm system where the alarm is transmitted to an off-site location, or to the fire alarm center for the servicing fire department.

(v) Delete Section 506.1.2 without substitution.

(w) Amend Section 506.2 to delete the text and insert to read as follows: Responsibility for Key Box. Key boxes are to be provided by the building owner and shall contain such keys necessary to access all protected areas of the building. Multi-tenant buildings may share an owner-provided box, and the building owner shall assume responsibility for insuring that keys are updated as appropriate. Tenant-provided boxes may not be shared with any other tenant, and the tenant assumes responsibility for key updates for the subject tenant space.
Exception: Key boxes for apartment houses are not required to contain keys to individual apartment dwelling units.

(x) Add Section 506.3 as follows: 506.3 Existing Buildings. When a design release is issued by the Division of Fire and Building Safety or a permit by local government when a design release is not required for construction, buildings constructed prior to April 30, 1998, shall not be required to provide a

key box or key boxes under this section. Any new tenancy within a space previously occupied by a different tenant shall require that a key box be provided in accordance with Sections 506.1 and 506.2.

(y) Amend Sections 507.1 to delete the text and insert to read as follows: Required Water Supply for Fire Protection. A water supply capable of supplying the required fire flow, for firefighting purposes, as determined by local ordinance, shall be provided to all premises upon which a Class 1 structure or a portion of a Class 1 structure is hereafter constructed. The water supply shall be provided as follows:

(1) When a public water supply is available to a premises, there shall be provided fire hydrants and mains capable of supplying the required fire flow.

(2) When a public water supply is not available to a premises, the water supply shall consist of a pond, stream, river, canal, lake, reservoir, quarry, pressure tank, elevated tank, swimming pool, other fixed systems, or fire department delivered portable system capable of providing the required fire flow. The on-site water supply shall be accessible to the fire department and be located within one hundred fifty (150) feet of the Class 1 building or structure being protected with an automatic fire extinguishing system. If the on-site water supply is not within one hundred fifty (150) feet of the structure being protected, the water supply shall be connected to on-site fire hydrants and mains capable of supplying the required fire flow. The owner shall verify the water supply requirements with the servicing fire department prior to final design and construction.

(z) Delete Section 507.2 without substitution.

(aa) Amend Section 507.3 to delete the text and insert to read as follows: Appendix B may be adopted by local ordinance to set requirements for fire flow.

(bb) Amend Section 507.5.1 to delete "where required by the code official" without substitution.

(cc) Amend Section 507.5.1.1 to delete the exception without substitution.

(dd) Amend Section 507.5.2 to delete the first sentence without substitution.

(ee) Amend Section 507.5.3 to insert, after" NFPA 25", "as adopted by the Commission in effect at the time of inspection, testing, or maintenance".

(ff) Amend Section 507.5.3 #1 to delete the text and insert to read as follows: Private fire hydrants (all types): Inspection annually and after each operation; flow and maintenance annually.

(gg) Delete Section 508.1.4 without substitution.

(hh) Amend Section 509.1, Identification, to delete the text and insert to read as follows: Section 509.1 Identification. Fire protection equipment shall be identified in an approved manner. Normally closed rooms containing air handling equipment over 2,000 CFM, rooms containing a water heater or boiler over 400,000 BTU/HR input, sprinkler risers, sprinkler control valves, fire alarm control panels, smoke evacuation system control panels, or control panels for wet chemical, dry chemical, foam, carbon dioxide and clean agent systems shall be identified for the use of the servicing fire department. Approved signs required identifying fire protection equipment locations shall be constructed of durable materials, lettering shall be in contrast with the background and be permanently installed and readily visible.

(ii) Amend Section 509.1.1 to delete "Where required by the fire code official".

(jj) Delete Section 510, Emergency Responder Radio Coverage, in its entirety and insert to read as follows: 510.1 Emergency responder radio coverage in new buildings. When required by local ordinance, all new buildings shall have complied radio coverage for emergency responders within the building based upon the existing coverage levels of the public safety communications systems jurisdiction at the exterior of the building. The section shall not require improvement of the existing public safety communications systems.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-6)

675 IAC 22-2.5-7 Chapter 6; building services and systems

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 7. Chapter 6 is amended as follows: (a) Delete Section 601.2 without substitution.

(b) Amend Section 603.3.1 to delete "NFPA 31" and insert "Chapter 57 of this code".

(c) Amend Section 603.3.2.4 to delete, in the exception, "5704.2.9.6" and insert "5704.2.9.7".

(d) Amend Section 603.3.3 to delete "NFPA 31" and insert "Chapter 57 of this code".

(e) Amend Section 603.4 to delete the text and insert the following: Portable unvented heaters. The use of listed portable unvented oil burning heating appliances shall be limited to supplemental heating in detached single family residences.
Exception: Upon approval of the code official, portable unvented oil-burning heating appliances may be permitted in any occupancy during the construction process when such is necessary for the construction and the use does not represent a hazard of life or property.

(f) Amend Section 603.6.1 to delete the text and insert the following: Masonry chimneys that, upon inspection, are found to be without a flue liner and that have open mortar joints which will permit smoke or gases to be discharged into the building, or which are cracked as to be dangerous, shall be repaired of relined with a chimney liner system installed in accordance with the manufacturer's installation instructions or a flue lining system installed in accordance with the requirements of the Indiana Building Code and appropriate for the intended class of chimney service.

(g) Amend Section 603.7 as follows:
(1) Delete "fire" in the first and second sentences.
(2) Delete the text after "appliances" in the first sentence.
(3) Insert, in the second sentence, "in accordance with IC 22-12-7-6 or IC 36-8-17-9" after "measures".
(4) Delete, in the second sentence, "without notice" after "appliance".

(h) Amend Section 603.8.5 to delete the text and insert the following: The fire chief is authorized to require incinerator use to be immediately discontinued if the use of the incinerator constitutes a hazardous condition.

(i) Amend Section 604.1 as follows:
(1) Delete "NFPA 110 and NFPA 111".
(2) Delete "original approval" and insert "rules of the commission".

(j) Amend Section 604.1.1 to delete "in accordance with UL 2200" and insert "for their intended use".

(k) Amend Section 604.2.6 to insert "as is currently adopted by the commission" after "A18.1".

(l) Amend Section 604.2.14.1.1, exception, to insert after "pipelines", "or propane gas lines".

(m) Amend Section 604.3 to delete "NFPA 110 and NFPA 111" and insert the following: the rules of the commission.

(n) Amend Section 604.5 as follows:
(1) Amend Section 604.5.1 to insert, at the beginning of the first sentence, "where required by local

ordinance.
(2) Amend Section 604.5.1.1 to insert, at the beginning of the first sentence, "where required by local ordinance.
(3) Amend Section 604.5.2.1 to insert, at the beginning of the first sentence, "where required by local ordinance.

(o) Amend Section 604.6 to delete "properly instructed" and insert "trained".

(p) Amend Section 605.1 to delete the second sentence without substitution.

(q) Amend Section 605.3 Working space and clearance to delete the text and insert as follows: A working space of not less than 30 inches (762 mm) in width, 36 inches (914 mm) in depth and 78 inches (1,981 mm) in height shall be provided in front of electrical service equipment. Where the electrical service equipment is wider than 30 inches (762 mm), the working space shall be not less than the width of the equipment. No storage of any materials shall be located within the designated working space.
Exceptions:
1. Where other dimensions are required or allowed by NFPA 70.
2. Access openings into attic or underfloor areas, which provide a minimum clear opening of 20 inches (509 mm) by 40 inches (1,016 mm).

(r) Amend Section 605.4.1 to delete "in accordance with UL 1363" without substitution.

(s) Amend Section 605.5.1 to delete "power tap or multi-plug adapter" without substitution.

(t) Add Section 605.11.1.5 to read as follows: 605.11.1.5. Maintenance. Markings required for solar photovoltaic power systems shall be maintained in good condition without deterioration or damage at all times, until such system is removed from operation and from the structure.

(u) Add Section 605.11.3.3.4 to read as follows: 605.11.3.3.4. Maintenance. Roof access points, roof perimeter access and pathways shall be maintained at all times, until such system is removed from operation and from the building or structure.

(v) Amend Section 606.5 to delete "as required by the code official" without substitution.

(w) Amend Section 606.6.1 to delete "and as required by the code official" without substitution.

(x) Amend Section 606.7 to insert "as adopted by the commission" after "NFPA 704".

(y) Amend Section 606.12.3 to delete the text from Exception 2 and insert the following: When the code official determines, upon review of an engineering analysis prepared in accordance with Section 104.7.2, that a fire or explosion hazard would not result from discharging ammonia directly to atmosphere.

(z) Amend Section 606.14 to delete the text and insert the following: The code official shall be notified immediately when a discharge becomes reportable under Section 2703.3.1.

(aa) Amend Section 607 to delete the text and insert the following: See the Indiana Elevator Code (675 IAC 21).

(bb) Amend Section 609.2 to delete the text and insert as follows: See the Indiana Mechanical Code.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-7)

675 IAC 22-2.5-8 Chapter 7; fire-resistance-rated construction

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 8. Chapter 7 is amended as follows: (a) Amend Section 701.2 to delete the text and insert as follows: See the General Administrative Rules (675 IAC 12).

(b) Amend Section 703.1.2 to insert "shall be" after "openings" and before "protected".

(c) Amend Section 703.2 to delete the first sentence and insert the following: Opening protectives shall be maintained in accordance with the rules of the commission.

(d) Amend Section 703.2.1 to delete the text and insert the following: A sign shall be displayed permanently near or on each required fire door in letters not less than one (1) inch (twenty-five and four-tenths (25.4) mm) high to read as follows:
(1) For doors designed to be kept normally open: FIRE DOOR - DO NOT BLOCK.
(2) For doors designed to be kept normally closed: FIRE DOOR - KEEP CLOSED.
For the purposes of this section, "fire door" means an assembly which is part of a fire-rated assembly.

(e) Amend Section 704 to delete the text and insert as follows: "See the Indiana General Administrative Rules - Maintenance of buildings and structures (675 IAC 12-4-9)."

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-8)

675 IAC 22-2.5-9 Chapter 8; interior finish, decorative materials and furnishings

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 9. Chapter 8 is amended as follows: (a) Amend Section 803.4 to delete the text and insert as follows: The required flame spread or smoke developed index of interior finish and trim surfaces in existing buildings shall be allowed to be achieved by application of approved fire retardant coatings, paints, or solutions having a flame spread index exceeding that allowed. Such applications shall comply with NFPA 703 and the required fire retardant properties shall be maintained or renewed in accordance with the manufacturer's instructions.

(b) Amend Section 804.3 to delete "and existing" without substitution.

(c) Delete Section 805.4 in its entirety without substitution.

(d) Add Section 806.1.4 to read as follows: 806.1.4. A natural cut tree. At least two (2) days prior to placing a natural cut tree in a public building the fire department having jurisdiction shall be notified.

(e) Amend Section 807.1.2 to delete the second exception without substitution.

(f) Delete Section 808.2 in its entirety without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-9)

675 IAC 22-2.5-10 Chapter 9; fire protection systems

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 10. Chapter 9 is amended as follows: (a) Amend Section 901.2 to delete the text and insert the following: Complete plans and specifications for fire alarm systems; fire-extinguishing systems, including automatic sprinklers and wet dry standpipes; halon systems and other special types of automatic fire-extinguishing systems; basement pipe inlets; and other fire-protection systems and appurtenances thereto shall be submitted for review prior to system installation in accordance with 675 IAC 12-6 and with the local unit of government where required by local ordinance. Plans and

specifications for fire alarm systems shall include, but not be limited to, a floor plan; location of all alarm-initiating and alarm signaling devices; alarm control and trouble-signaling equipment; annunciation; power connection; battery calculations; conductor type and sizes; voltage drop calculations; and manufacturer, model numbers and listing information for all equipment, devices, and materials.

(b) Amend Section 901.2.1 to delete "where required by the code official".

(c) Delete Section 901.3 in its entirety without substitution.

(d) Amend Section 901.4 to delete text after the first sentence and insert to read as follows: Alterations to fire protection systems shall be done in accordance with the applicable rules of the commission.

(e) Amend Section 901.4.3 to delete "707.3.9" and insert "707.3.10".

(f) Delete Section 901.4.4 without substitution.

(g) Amend Section 901.5 to delete "and as approved by the code official" without substitution.

(h) Amend Section 901.6.2 to delete the text and insert the following: Records of all system inspections, tests and maintenance required by the referenced standards shall be maintained on the premises or made readily available for a minimum of three years and shall be copied to the fire code official upon request.

(i) Amend Section 901.7 to delete "where required by the code official".

(j) Amend Section 901.7.3 to delete the last sentence without substitution.

(k) Amend Section 901.8 to delete ", or when approved by the fire code official".

(l) Amend Section 901.8.1 to delete "direction" and insert "request".

(m) Amend Section 903.1.1 to delete the text and insert the following: "See 675 IAC 12-6-11."

(n) Amend Section 903.2.1.3(3) to insert exceptions as follows:
Exception 1. Areas used exclusively as participant sports areas where the main floor area is located at the same level as the level of exit discharge of the main entrance and exit.
Exception 2. Fire areas not exceeding 7,000 square feet (650.3 m^2) used primarily for worship with or without fixed seating and not used for exhibition or display, and the fire area is not located on a floor level other than that of exit discharge.

(o) Delete Section 903.2.2 without substitution.

(p) Amend Section 903.2.6 to add an Exception 5 to read as follows: 5. In jails, prisons and reformatories, the piping system may be dry provided a manually operated valve is installed at a continuously monitored location. Opening the valve will cause the system to be charged. The valve may be located in a locked cabinet or enclosure provided the activation of a sprinkler unlocks the cabinet or enclosure.

(q) Amend Section 903.2.7 #4 by deleting the text and inserting as follows: 4. A Group M fire area that contains more than 5,000 sq. ft. (464 m^2) of floor area used predominantly for the display and sale of upholstered furniture or mattresses.

(r) Amend Section 903.2.11.1.3 by deleting the text and inserting as follows: Where any portion of a basement is located more than 75 feet (22,800 mm) from openings required be Section 903.2.11.1, the basement shall be equipped throughout with an approved automatic sprinkler system.

(s) Amend Section 903.3.1, Standards, by deleting the text and inserting as follows: Sprinkler systems shall be designed and installed in accordance with Section 903.3.1.1, unless otherwise permitted by Sections 903.3.1.2 and 903.3.1.3 and other chapters of this code, as applicable.

(t) Amend Section 903.3.1.1.1 as follows:
(1) In #2 delete ", when approved by the fire code official".
(2) Amend #4, to the text and insert the following: Elevator equipment rooms and hoistways used exclusively for the operation of elevators and which are separated from the remainder of the building by two (2) hour fire resistive construction. Penetrations between machine rooms and hoistways necessary for the safe operation of an elevator and vents required by Section 3004 of the Indiana Building Code need not be fire-rated.

(u) Amend Section 903.3.5.1.1, in #1 exception, to delete "An approved" and insert "A listed".

(v) Amend Section 903.3.6 to delete the text and insert the following: Fire hose threads used in connection with automatic sprinkler systems shall be compatible with the equipment used by the servicing fire department.

(w) Amend Section 903.3.7 to delete the text and insert the following: The servicing fire department shall be consulted before placing the fire department hose connections at specific locations.

(x) Amend Section 903.4 to delete Exception 1 in its entirety without substitution.

(y) Amend Section 903.4.,2 to delete the text and insert the following: Listed audible and visible devices shall be connected to every automatic sprinkler system. Such sprinkler water-flow alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Alarm devices shall be provided on the exterior of the building facing the public street, road, or highway that is in accordance with its legal address. Where buildings are not directly facing the public street, road, or highway or are in excess of two hundred fifty (250) feet from the public street, road, or highway, the servicing fire department shall be consulted in determining a location prior to the installation of the exterior audible and visible device. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system.
Exception: Sprinkler systems which are monitored by an approved supervisory station are not required to have the listed audible and visible device located on the exterior wall facing the public street, road, or highway.

(z) Amend Section 903.4.3 to delete the text and insert as follows: Listed supervised indicating control valves shall be provided at the point of connection to the riser on each floor in buildings four (4) stories or more in height when sprinklered in accordance with Section 903.3.1.1 or 903.3.1.2.

(aa) Delete Section 903.6 without substitution.

(bb) Amend Section 904.1.1 to delete the text and insert "See GAR".

(cc) Amend Section 904.2 to delete "approved by the code official" and insert "in accordance with the rules of the commission".

(dd) Amend Section 904.11.6.3 to insert "1." before "Exception" and insert Exception #2 as follows: Exception 2. When automatic bulb-type sprinklers or spray nozzles are used and an annual examination shows no buildup of grease or other material on the sprinkler or spray nozzle. Hoods, grease-removal devices, fans, ducts, and other appurtenances shall be cleaned at frequent intervals in

accordance with Section 1006.1.

(ee) Amend Section 905.1 as follows:
(1) Delete "approved" and insert "listed" in the second sentence.
(2) Insert "the servicing" between "with" and "fire" in the second sentence.
(3) Delete "approved" and insert "in accordance with Section 912.2" in the third sentence.

(ff) Amend Section 905.2, to add an exception to read as follows: Exception: In other than high rise buildings where buildings are sprinklered in accordance with Section 903.3.1.1, the water supply pressure for the standpipe system is not required to exceed the pressure requirements for the sprinkler system.

(gg) Add Section 905.2.1 to read as follows: 905.2.1 Fire Department Connections. The location of fire department connections shall be in accordance with Section 903.3.7.

(hh) Add Section 905.3.1.1 to read as follows: 905.3.1.1 Building Area. In buildings exceeding 10,000 square feet in area per story, Class I automatic wet or manual wet standpipes shall be provided where any portion of the buildings interior is more than 200 feet of travel, vertically or horizontally, from the nearest point of fire department vehicle access.
Exceptions:
1. Buildings equipped throughout with automatic sprinkler systems installed in accordance with Section 903.3.1.1.
2. Group A-4, A-5, F-2, R-2, S-2 or U Occupancies.
3. Automatic dry and semiautomatic dry standpipes are allowed for in NFPA 14.

(ii) Amend Section 905.3.4.1 by deleting the text and inserting the following: A proper cap and chain shall be provided for the hose connection valve assembly. The hose connection valve assembly shall comply with the provisions in Section 903.3.6.

(jj) Amend Section 905.4 to read as follows:
(A) Delete the text of item 1 and insert as follows: In every required stairway, a hose connection shall be provided for each floor level above or below grade. Hose connections shall be located at an intermediate floor level landing between floors. Where there are multiple intermediate floor landings between floors, hose connections shall be located at the landing closest to being midway between floors. If intermediate floor level landings are not provided in the required stairway, the hose connection shall be located on the floor-level landing.
(B) Delete the text of item 5 and insert as follows: Where the roof has a slope less than four (4) units vertical in twelve (12) units horizontal, one (1) standpipe shall be provided with a hose connection located either on the roof or at the highest landing of the stairways with stair access to the roof. Two (2) hose connections shall be provided for testing. The control valve for the standpipes extending on to the roof may be located in the stair enclosures.
(C) Delete the text of item 6 and insert as follows: Where the most remote portion of a nonsprinklered floor or story is more than one hundred fifty (150) feet from a hose connection or the most remote portion of a sprinklered floor or story is two hundred (200) feet from a hose connection, additional hose connections shall be provided in exit passageways which are 1-hour rated.

(kk) Delete Section 905.11 in its entirety without substitution.

(ll) Amend Section 906.1 to delete the text and insert as follows: Portable fire extinguishers shall be installed where required by TABLE 906.1 and where required by local ordinance.

(mm) Amend Section 906.2.1 to delete the text and insert as follows: See the General Administrative Rules (GAR).

(nn) Amend Section 907.1.1 to delete the text and insert to read as follows: See the General Administrative Rules (675 IAC 12-6).

(oo) Amend Section 907.1.2 to delete the text and insert to read as follows: See the General Administrative Rules (675 IAC 12-6).

(pp) Amend Section 907.2.1 to delete the text and insert as follows: A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group A occupancies where the occupant load due to the assembly occupancy is 300 or more. Group A occupancies not separated from one another in accordance with Section 707.3.10 of the Indiana Building Code shall be considered as a single occupancy for the purposes of applying this section. Portions of Group E occupancies, occupied for assembly purposes, shall be provided with a fire alarm system as required for the Group E occupancy.

Exception: Manual fire alarm boxes are not required where the building is equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 and the occupant notification appliances will activate throughout the notification zones upon sprinkler water flow.

(qq) Amend Section 907.2.1.1 to delete the exception without substitution.

(rr) Delete Section 907.2.1.2 without substitution.

(ss) Delete Section 907.2.2.1 without substitution.

(tt) Amend Section 907.2.3 to delete the text and insert as follows: A manual fire alarm system shall be installed in Group E occupancies. When automatic sprinkler systems or smoke detectors are installed, such systems or detectors shall be connected to the building fire alarm system.

Exceptions:

1. Group E occupancies with an occupant load of less than 50.

2. Manual fire alarm boxes are not required in Group E occupancies where all the following apply:

2.1. Interior corridors are protected by smoke detectors with alarm verification.

2.2. Auditoriums, cafeterias, gymnasiums and the like are protected by heat detectors or other approved detection devices.

2.3. Shops and laboratories involving dusts and vapors are protected by heat detectors or other listed detection.

2.4 Off-premises monitoring is provided.

2.5 The capability to activate the evacuation signal from a central point is provided.

2.6 In buildings where normally occupied spaces are provided with a two-way communications system between such spaces and a constantly attended receiving station from where a general evacuation alarm can be sounded.

3. Manual fire alarm boxes shall not be required in Group E occupancies where the building is equipped throughout with an approved automatic sprinkler system, the notification appliances will activate on sprinkler water flow and manual activation is provided from a normally occupied location.

(uu) Amend Section 907.2.6.2 to delete the text and insert the following: An automatic smoke detection system shall be installed in corridors in nursing homes, long-term care facilities, detoxification facilities and spaces permitted to be open to the corridors by Section 407.2 of the Indiana Building Code. The system shall be activated in accordance with Section 907.4. Hospitals shall be equipped with smoke detection as required in Section 407 of the Indiana Building Code.

Exceptions: 1. Corridor smoke detection is not required in smoke compartments that contain sleeping units where such units are provided with smoke detectors that comply with UL 268. Such detectors shall provide a visual display on the corridor side of each sleeping unit and shall provide an audible and visual alarm at the nursing station attending each unit.

2. Corridor smoke detection is not required in smoke compartments that contain sleeping units where sleeping unit doors are equipped with automatic door-closing devices with integral smoke detectors on the unit sides installed in accordance with their listing, provided that the integral detectors perform the required alerting function.

(vv) Delete Section 907.2.9.3 without substitution.

(ww) Add Section 907.2.11.1.1 to read as follows: 907.2.11.1.1 R1 Hotels and Motels.
(1) This section only applies to hotels and motels.
(2) All hotels and motels must have functional smoke detectors and comply with this section and Section 907.2.10.1.1.
(3) Except as provided in (6), a detector must be installed in all interior corridors adjacent to sleeping rooms and must be spaced no further apart than thirty (30) feet (nine and one hundred forty-four thousandths (9.144) meters) on center or more than fifteen (15) feet (four and five hundred seventy-two thousandths (4.572) meters) from any wall.
(4) The detectors must be hard wired into a building's electrical system, except as provided in (6).
(5) The detectors must be wired in a manner that activates all the devices in a corridor when one is activated, except as provided in (6).
(6) All single level dwellings, all seasonably occupied dwellings, and all hotels and motels with twelve (12) sleeping rooms or less (and containing no interior corridors) are exempt from the requirements of (3), (4), and (5). In such units:
(A) A detector must be installed in each sleeping room; and
(B) The detector may be battery operated, when allowed by Section 907.2.10.2.
If a battery operated detector is installed, it must contain a tamper resistant cover to protect the batteries. For the purpose of Section 907.2.10.1.1.1, the following definitions shall apply:
DWELLING means a residence with at least one (1) dwelling unit as set forth in IC 22-12-1-4(a)(1)(B) and IC 22-12-1-5(a)(1).
HOTELS AND MOTELS means buildings or structures kept, maintained, used, advertised, or held out to the public as inns or places where sleeping accommodations are furnished for hire for transient guests.
SEASONALLY OCCUPIED DWELLINGS means hotels and motels open to the public for occupancy by guests only during any period of time between April 15 and October 15 each year.
SINGLE LEVEL DWELLING means all single level (no more than one (1) level above ground) hotels and motels that have no interior corridors and whose individual rooms have exterior exits.

(xx) Amend Section 907.2.11.2 by deleting "and maintained" without substitution.

(yy) Amend Section 907.3.2 to delete the text and insert the following: When special egress-control devices or systems are installed, such devices or systems shall be maintained in accordance with the building code requirements for the original installation.

(zz) Amend Section 907.4.2 to delete "907.4.2.5" and insert "907.4.2.6".

(aaa) Amend Section 907.4.2.5 to delete the text and insert the following: Listed manual fire alarm box protective covers may be installed when approved.

(bbb) Delete Section 907.5.1 without substitution.

(ccc) Amend Section 907.5.2.3.1, to add "areas" after "public" in the title.

(ddd) Amend Section 907.6.3.1 by deleting the text and inserting as follows: A zoning indicator panel and associated controls shall be provided in a location the servicing fire department will use as their main entrance point to the building. The panel shall be identifiable and accessible at all times. The visual zone indication shall lock in until the system is reset and shall not be canceled by the operation of an audible alarm-silencing switch.

(eee) Amend Section 907.6.5 to delete the text and insert the following: Where required by the Indiana Building Code or by local ordinance, an approved supervising station in accordance with NFPA 72 (675 IAC 28-1-28) shall monitor fire alarm systems.

(fff) Amend Section 907.6.5.1 to delete the text and insert the following: Automatic telephone-dialing devices used to transmit an emergency alarm shall not be connected to any fire department telephone number unless approved by the code official and the fire department.

(ggg) Delete Section 907.7.2 without substitution.

(hhh) Delete Section 907.7.3 without substitution.

(iii) Amend Section 907.8.1 by deleting "applicable NFPA requirements or as directed by the code official" and inserting "the rules of the commission".

(jjj) Amend Section 907.8.2 to delete all the text after "NFPA 72" and insert "(675 IAC 28-1-28)".

(kkk) Amend Section 909.2 to the text and insert to read as follows: Buildings, structures, or parts thereof required by this code to have a smoke control system or systems shall have such systems designed in accordance with the applicable requirements of Section 909 and other applicable rules of the Commission. Construction documents shall be as required by the General Administrative Rules (675 IAC 12-6).

(lll) Amend Section 909.3 to delete the text and insert the following: For inspections and testing, see the General Administrative Rules (675 IAC 12-6-6(c)(10)(D)).

(mmm) Amend Section 909.5.2 as follows:
(1) Delete "International" and insert "the Indiana" at the end of the second sentence.
(2) In Exception 1, delete "907.10" and insert "907.3".

(nnn) Amend Section 909.10.2, in the third sentence, to delete "nationally accepted" and insert "approved practices".

(ooo) Amend Table 910.3 to delete, in column 1, rows 3, 4, and 5, "910.2.2" and insert "910.2.3".

(ppp) Amend Table 910.3, footnote a, to delete "23" and insert "32".

(qqq) Amend Section 909.15 to delete the text and insert the following: Identical control diagrams showing all devices in the system and identifying their location and function shall be maintained current and kept on file with the building official, the servicing fire department, and in the fire command center in an approved manner and format.

(rrr) Amend Section 909.18.8 to delete the text and insert: See the General Administrative Rules (675 IAC 12-6-6(c)(10)(D)).

(sss) Amend Section 909.19 to delete the title and text and insert the following: Acceptance test. Smoke removal systems shall be tested in accordance with the rules of the commission at the expense of the owner or owner's representative. When requested by the servicing fire department and/or local building official, such tests shall be conducted in their presence. Prior to conducting such tests, the requesting official shall be given at least 48-hours notice. It shall be unlawful to occupy portions of the structure until the required smoke removal system within that portion of the structure has been completed, successfully tested, and is fully operational with appropriate reports and other documentation provided to the servicing fire department or local building official or both.

(ttt) Amend Section 910.2.1 to insert an exception to read as follows: Exception: Group S-1 Aircraft Hangars.

(uuu) Add Section 910.3.1 to read as follows: Section 910.3. Design. Smoke and heat vents shall be listed and labeled to indicate compliance with UL793.

(vvv) Add Section 910.3.2 to read as follows: 910.3.2 Vent operation. Smoke and heat vents shall be

capable of being operated by approved automatic and manual means. Automatic operation of smoke and heat vents shall conform to the provisions of Sections 910.2.3.1 through 910.3.2.3.

(www) Add Section 910.3.2.1 to read as follows: 910.3.2.1 Gravity-operated drop-out vents. Automatic smoke and heat vents containing heat-sensitive glazing designed to shrink and drop out of the vent opening when exposed to fire shall fully open within 5 minutes after the vent cavity is exposed to a simulated fire, represented by a time-temperature gradient that reaches an air temperature of 500° F (260°C) within 5 minutes.

(xxx) Add Section 910.3.2.2 to read as follows: 910.3.2.2 Sprinklered buildings. Where installed in buildings not provided with an approved automatic sprinkler system, smoke and heat vents shall be designed to operate automatically.

(yyy) Add Section 910.3.2.3 to read as follows: 910.3.2.3 Nonsprinklered buildings. Where installed in buildings not provided with an approved automatic sprinkler system, smoke and heat vents shall operate automatically by actuation of a heat-responsive device at between 100° F (38° C) and 220° F (104° C) above ambient.
Exception: Gravity-operated drop-out vents complying with Section 910.3.2.1.

(zzz) Add Section 910.3.3 to read as follows: 910.3.3 Vent dimensions. The effective venting area shall not be less than 16 square feet (1.5 m^2) with no dimension less than 4 feet (1,219 mm), excluding ribs or gutters having a total width not exceeding 6 inches (152 mm).

(aaaa) Amend Section 910.4 by deleting the text and inserting the following: In buildings protected throughout with an approved automatic sprinkler system, manually operated exhaust fans may be utilized for fire department mop-up operations. The exhaust rate shall be equal to one (1) cfm per square foot of floor area. The fans shall be wired ahead of the main building disconnect switch. Manual controls for the fans shall be provided individually for each fan unit. The servicing fire department shall be consulted in determining the location of the controls for the exhaust fans.

(bbbb) Amend Section 912.2 to delete "The location of fire department connections shall be approved" and insert "The servicing fire department shall be consulted before placing the fire department hose connections at specific locations, or the connections shall be placed as required by local ordinance".

(cccc) Amend Section 912.2.2 to delete "subject to the approval of" and insert "approved by" in the last sentence.

(dddd) Amend Section 912.3 by deleting the exception without substitution.

(eeee) Amend Section 912.3.1 to delete "The fire code official is authorized to require locking caps" and insert "Locking caps are allowed".

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-10)

675 IAC 22-2.5-11 Chapter 10; means of egress

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 11. Chapter 10 is amended as follows: (a) Amend Section 1001.2 to delete the text and insert the following: See the General Administrative Rules (675 IAC 12-4-12).

(b) Amend Section 1002 to insert the following definition after "Handrail": ICC A117.1. See Chapter 11 of the Indiana Building Code (675 IAC 13).

(c) Amend Section 1004.1.2 to delete the exception without substitution.

(d) Amend Section 1004.2 to delete the text and insert the following: The occupant load permitted in any building, or portion thereof, is permitted to be increased from that number established for the occupancies in Table 1004.1.2, provided that all other requirements of the code are also met based on such modified number and the occupant load does not exceed one occupant per 7 square feet (0.65m^2) of occupiable floor space. An aisle, seating, or fixed equipment diagram substantiating any increase in occupant load shall be submitted to the building official.

(e) Amend Section 1007.2 to delete "one or more" and insert "at least one".

(f) Amend Section 1007.3 to add a new exception number 7 as follows: 7. Areas of refuge are not required in jails, prisons, or other I-3 occupancies.

(g) Amend Section 1007.5 to delete "1109.7" and insert "1109.8".

(h) Amend Section 1008.1.1 to delete Exception 8 in its entirety without substitution.

(i) Amend Section 1008.1.5, Exception 5, to delete the text and insert the following: 5. Exterior decks, patios, or balconies that are part of a dwelling unit regulated under part 2 of Chapter 11 of the Indiana Building Code, and have impervious surfaces, and that are not more than four (4) inches (one hundred two (102) mm) below the finished floor level of the adjacent interior space of the dwelling unit.

(j) Amend Section 1008.1.8, Exception 3, to delete the text and insert the following: 3. Doors within individual dwelling units in Groups R-2 and R-3 occupancies as applicable in Section 1001.1.

(k) Amend Section 1008.1.9.3 as follows:
(1) Delete Exception 2.3 without substitution.
(2) Delete Exception 5 without substitution.
(3) Insert Exception 6 to read as follows: 6. Licensed Health Care Facilities that comply with IC 22-11-17-2.

(l) Amend Section 1008.1.9.7 to delete the exception to item 4 without substitution.

(m) Amend Section 1009.7.2 as follows:
(1) Amend Exception 5 to delete the text and insert the following: 5. Within dwelling units in occupancies in Group R-3, as applicable in the Indiana Building Code (675 IAC 13), and within dwelling units in occupancies in Group R-2, as applicable in the Indiana Building Code (675 IAC 13), the maximum riser height shall be eight and one-fourth (8 1/4) inches (two hundred ten (210) mm), the minimum tread depth shall be nine (9) inches (two hundred twenty-nine (229) mm). A nosing not less than seventy-five hundredths (0.75) inch (nineteen and one-tenth (19.1) mm) but not more than one and twenty-five hundredths (1.25) inches (thirty-two (32) mm) shall be provided on stairways with solid risers where the tread is less than eleven (11) inches. In occupancies in Group U, which are accessory to an occupancy in Group R-3, as applicable in the Indiana Building Code (675 IAC 13), the maximum riser height shall be seven and seventy-five hundredths (7.75) inches (one hundred ninety-seven (197) mm) and the minimum tread depth shall be ten (10) inches (two hundred fifty-four (254) mm) and the nosing requirements shall remain the same as above.
(2) Amend Exception 6 to delete the text and insert the following: The replacement of existing stairways shall be in accordance with the General Administrative Rules (675 IAC 12-9).

(n) Add Section 1009.18 to read as follows: 1009.18 Fire escapes. A fire escape that is used as an exit shall comply with the provisions of this section as follows:
(1) The fire escape shall not be the primary or the only exit.
(2) The fire escape shall not take the place of stairways required by the applicable rules of the commission or its predecessors in effect at the time the building was built.
(3) Access to a fire escape from a corridor shall not be through an intervening room.

Exception: Access through an intervening room may be permitted if the intervening door is not lockable and an exit sign is installed above the door directing occupants to the fire escape.
(4) No encumbrances or obstacles of any kind shall be placed on or in front of any fire escape.
(5) Fire escapes shall be kept clear and unobstructed and shall be maintained in a fully operational working condition at all times.
(6) Exit signs shall be maintained in accordance with the Indiana Fire Code (675 IAC 22) or the code in effect at the time of construction. All doors and windows providing access to a fire escape shall be provided with signs stating "FIRE ESCAPE" in letters at least as large as those required for exit signs under the current rules of the Commission.
(7) Fire escape stairways and their balconies shall support their dead load plus a live load of not less than one hundred (100) pounds per square foot (four hundred thirty-six (136 kilograms) placed anywhere on the balcony or stairway so as to produce the maximum stress condition.
(8) Fire escape stairways and balconies shall support a horizontal force of not less than fifty (50) pounds per linear foot (seventy-four and four-tenths (74.4) kilograms per meter) applied to the top handrail.
(9) Documentation evidencing compliance with subsections (7) through (9) shall be maintained on site for review by the code official.
(10) Tubular fire escapes shall comply with subsections (1) through (9) and shall be kept rust free.

(o) Delete Section 1011.2 without substitution.

(p) Amend Section 1013.3 to delete the text of Exception 3. and insert the following: 3. At elevated walking surfaces for access to and use of electrical, mechanical or plumbing systems, fire department access doors required by the Indiana Fire Code (675 IAC 22) that are not a required exit, or equipment guards shall have balusters or be of solid materials such that a sphere with a diameter of 21 inches (533 mm) cannot pass through any opening.

(q) Amend Table 1014.3, in the row entitled "All others", as follows:

COMMON PATH OF EGRESS TRAVEL

Occupancy	Without Sprinkler System (feet)		With Sprinkler System (feet)
	Occupant Load		
	<= 30	> 30	
All others [c, f]	75	75	75 [a, b]

(r) Amend Table 1016.2, in the row entitled "I-1", as follows:

EXIT ACCESS TRAVEL DISTANCE[a]

Occupancy	Without Sprinkler System (feet)	With Sprinkler System (feet)
I-1	Not Permitted	250[b]

(s) Delete Section 1024 in its entirety without substitution.

(t) Amend Section 1025.2 to delete "with no unprotected openings" in the first last sentence of the paragraph without exception.

(u) Amend Section 1028.12 as follows:
(1) In Exception 2, insert "with seating at tables and" after "thereof" and before "without".
(2) In Exception 3, after "less than three", insert "tied or staked to the floor".
(3) Amend Exception 4 to delete the last sentence.

(v) Add Section 1029.6 as follows:
(1) 1029.6. Exterior Rescue Access. Exterior access for fire department use in performing rescue operations when emergency escape and rescue openings are required shall comply with Sections 1029.6.1 and 1029.6.2.

(2) 1029.6.1. The exterior grade adjacent to emergency escape and rescue openings shall not have a slope of more than two (2) inches in twelve (12) inches. The grade requirement shall extend from the structure to a point which will allow the placement of a fire department ground ladder to the sill of the emergency escape and rescue opening when such ladder is placed at a seventy-five (75) degree angle maximum from the horizontal plane.
(3) 1029.6.2. No obstructions such as wire, trees, shrubs, signs, cornices, overhangs, awnings, canopies, parking, or other features shall be permitted.
Exception: Canopies and similar types of building features may be used as a portion of the rescue access system, if the slope of the canopy does not exceed two (2) inches in twelve (12) inches, and access as required in Section 1009.6.1 is provided from the ground to the top edge of the canopy.

(w) Amend Section 1030.2.1 to delete "subject to approval of" and insert "approved by".

(x) Amend Section 1030.7 to delete "required" in the last sentence and insert "requested".

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-11)

675 IAC 22-2.5-12 Chapter 11; construction requirements for existing buildings

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 12. Chapter 11 is amended as follows: (a) Delete Section 1101 in its entirety without substitution.

(b) Delete Section 1102 in its entirety without substitution.

(c) Delete Section 1103 in its entirety without substitution.

(d) Amend Section 1104.23 to delete "1022.8" and insert "1022.9".

(e) Delete Section 1104.24 in its entirety without substitution.

(f) Delete Section 1105 in its entirety without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-12)

675 IAC 22-2.5-13 Chapter 20; aviation facilities

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 13. Chapter 20 is amended as follows: (a) Delete Section 2001.3 without substitution.

(b) Amend Section 2006.3.3 to delete "proper" and insert "approved" in the last sentence.

(c) Amend Section 2006.3.6 to delete "substantially" without substitution.

(d) Amend Section 2006.3.7.1 as follows:
(1) Delete "a substantial heavy-duty" and insert "an approved or listed".
(2) Delete "a suitable" and insert "an approved or listed".

(e) Amend Section 2006.3.7.2 to delete the last sentence without substitution.

(f) Amend Section 2006.3.7.2, to add an Exception as follows: Exception: The use of a cable that has a non-transparent sleeve is allowed if electrical continuity checks are made on a monthly basis. If the

bonding cable is stored on a rotating reel, the electrical continuity checks must be made between the bonding clamp and fueling system framework. During the check the reel must be rotated at least one rotation and the measured resistance must be 25 ohms or less.

(g) Amend Section 2006.5.2.3 to delete "where required" without substitution.

(h) Amend Section 2006.6.4 to delete the last sentence and insert the following: The fueling-system operator shall maintain a complete record of the last two (2) tests at all times, and the complete record be made available to the code official upon request.

(i) Delete Section 2006.15.1 without substitution.

(j) Amend Section 2006.16 as follows:
(1) Delete "The fire code official is authorized to require" without substitution.
(2) Delete "to" after "operator" and before "establish" and insert with "shall".

(k) Amend Section 2006.19.2 to delete the last sentence and insert the following: "Hoses removed from service shall not be returned to service until repaired or rendered safe".

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-13)

675 IAC 22-2.5-14 Chapter 21; dry cleaning

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 14. Chapter 21 is amended as follows: (a) Delete Section 2101.2 without substitution.

(b) Amend Section 2104.2.1 to delete the text and insert the following: Ventilation shall be in accordance with the Indiana Mechanical Code (675 IAC 18).

(c) Amend Section 2105.1.5 to delete the first sentence and insert the following: Equipment shall be maintained and operated in accordance with the manufacturer's instructions.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-14)

675 IAC 22-2.5-15 Chapter 22; combustible dust-producing operations

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 15. Chapter 22 is amended as follows: Delete Section 2201.2 without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-15)

675 IAC 22-2.5-16 Chapter 23; motor fuel dispensing facilities and repair garages

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 16. Chapter 23 is amended as follows: (a) Delete Section 2301.2 without substitution.

(b) Amend Section 2301.3 to delete the text and insert the following: Plans and specifications shall be submitted in accordance with the General Administrative Rules (675 IAC 12-6). Plans shall include the method of storage and dispensing, quantities and types of liquids to be stored, distances from tanks and dispensers to property lines and buildings, vehicle access, fire appliances, collision barriers, design and construction of tanks, tank supports, secondary containment, tank venting, vapor recovery provisions,

and emergency controls.

(c) Amend Section 2304.3.2 to delete the text and insert the following: Dispensing devices shall comply with Section 2306.7. Dispensing devices operated by the insertion of coins or currency may be used provided change or credit can be issued.

(d) Amend Section 2304.3.7 to delete the text in items numbers 1 and 2 and insert the following:
(1) Dispensing devices for Class I fuel shall be programmed or set to limit uninterrupted fuel delivery to twenty-five (25) gallons (ninety-five (95) L) and require a manual action to resume delivery; or
(2) The amount of fuel being dispensed shall be limited in quantity by a preprogrammed card.

(e) Delete Section 2305.1.1 without substitution.

(f) Amend Section 2305.1.2 to delete "an approved" and insert "a".

(g) Amend Section 2305.1.3 to delete "one thousand (1,000)" and insert: one thousand one hundred (1,100).

(h) Amend Section 2305.2.3 to delete the text of item 2 and insert to read as follows: 2. Electrical power to the dispensing device shall be shut off at the main electrical disconnect panel.

(i) Amend Section 2305.2.4 to delete the text and insert the following: Automatic closing emergency shut-off valves required by Section 2306.7.4 shall be maintained in accordance with the manufacturer's instructions.

(j) Amend Section 2305.6 to insert in item 1, after "no smoking", "within 25 feet of the fuel dispenser(s)".

(k) Amend Section 2306.2 to delete "motor" without substitution.

(l) Amend Section 2306.2.1.1 to delete the text and insert the following: Accurate daily inventory records shall be maintained and reconciled on underground fuel storage tanks for indication of possible leakage from tanks and piping. The records shall be kept at the premises or readily available for inspection by the code official upon written request and shall include records for each product showing daily reconciliation between sales, use, receipts, and inventory on hand.

(m) Delete TABLE 2306.2.3 and insert as follows:

TABLE 2306.2.3

Tank Type	Class of Liquid	Individual Capacity	Aggregate Capacity in Same Dike of Cluster	Minimum Distance to Nearest Building on Same Property	Minimum Distance from Nearest Fuel Dispenser for Fleet Fueling	Minimum Distance from Nearest Fuel Dispenser for Public Operations	Minimum Distance from Lot Line that is or can be Built Upon, Including Opposite Side of Public Way	Minimum Distance Nearest Side of any Public Way	Minimum Distance Between Tanks
UL2085	Class I Liquids	6,000 Gallons or Less	48,000 Gallons	5	0	25	15	5	3
UL2085	Class I Liquids	Greater Than 6,000 Gallons	48,000 Gallons	15	0	25	25	15	3
UL2085	Class II & III Liquids	Same as Class I Liquids	Same as Class I Liquids	Same as Class I Liquids	Same as Class I Liquids	Same as Class I Liquids[c]	Same as Class I Liquids	Same as Class I Liquids	3
Tanks in Vaults	Class I, II & III Liquids[b]	20,000 Gallons or Less	N/A	0	0	0	0	0	Separate Compartments for Each Tank
Other Tanks	Other Tanks	All	N/A	50	50	N/A[d]	100	50	3

UL142	Class II & III Liquids	6,000 Gallons or Less	18,000 Gallons	10	0[a]	N/A[d]	30	10	3
UL142	Class II & III Liquids	6,001 to 12,000 Gallons	18,000 Gallons	30	0[a]	N/A[d]	50	30	3
UL142	Class I, II & III Liquids	1,100 Gallons	Single Tank Install Only	30	0[a]	N/A[d]	50	30	3

For SI: 1 foot = 304.8 mm, 1 gallon = 3.785 Liter

a. At fleet vehicle motor fuel dispensing facilities, no minimum separation distance is required.

b. Underground vaults shall be located such that they will not be subject to loading from nearby structures, or they shall be designed to accommodate applied loads from existing or future structures that can be built nearby.

c. For Class IIIB liquids UL2085 protected above ground tanks, no minimum separation distance is required.

d. UL 142 tanks are not to be approved for use at gas station motor fuel dispensing facilities for products to be dispensed into motor vehicles. Within size limitations of the table, UL 142 tanks are allowed for fleet motor fuel dispensing facilities.

N/A = not applicable

(n) Amend Section 2306.2.3 to delete the text in its entirety and insert the following: Above ground tanks located outside, above grade. Above ground tanks shall not be used for the storage and dispensing of Class I, II, or IIIA liquid motor fuels except as provided by this section.

(1) Above ground tanks used for outside, above grade storage of Class I liquids shall be listed and labeled in accordance with UL 142 or listed and labeled as protected above ground tanks in accordance with UL 2085, and shall be installed in accordance with Chapter 57. Such tanks shall be located in accordance with Table 2306.2.3.

(2) Class I and II liquids shall not be dispensed into the fuel tank of a motor vehicle from aboveground tanks at fleet vehicle service station except when such tanks are installed in accordance with the following:

1. INSTALLATION OF TANKS

Tanks shall be installed in accordance with Chapter 57 and shall be installed in special enclosures constructed in accordance with Section 2306.2.4 or is listed and approved tank enclosures or materials providing fire protection of not less than two (2) hours. The following additional criteria shall apply:

(a) Guard posts or other means shall be provided to protect the area where tanks are installed. The design shall be in accordance with Section 312.

(b) Each tank and each special enclosure shall be surrounded by a clear space of not less than three (3) feet to allow for maintenance and inspection,

(c) Warning signs and identification signs shall be installed to clearly identify hazards. The design shall be in accordance with Sections 2305.6, 2309.5.7, and 5704.2.3. Conspicuous signs prohibiting simultaneous tank filling and fuel dispensing shall be posted,

(3) Unless further restricted or permitted by Table 2306.2.3, tanks containing fuels shall not exceed 12,000 gallons (45,420 L) in individual capacity or 48,000 gallons (181,680 L) in aggregate capacity. Installations with the maximum allowable aggregate capacity shall be separated from other such installations by not less than 100 feet (30,480 mm).

(4) Tanks shall be provided with automatic fuel shut-off devices capable of stopping the delivery of fuel when the level in the tank reaches ninety percent (90%) of tank capacity.

EXCEPTIONS:

1. Above ground storage tanks for motor vehicle fuel-dispensing stations legally installed according to the code in effect at the time of installation and in operation prior to September 7, 1992.

2. Single tank installations where the fuel tank has a capacity of one thousand one hundred (1,100) gallons or less that are in compliance with Chapter 57 of this code.

3. Diesel tanks and dispensing operations when all the following criteria are met:

A. The distance in feet from any property line when not adjacent to a public way shall be double the distance specified in Table 2306.2.3.

B. The distance in feet from a property line adjacent to a public way, to include the opposite sides of a public way, shall be double the distance specified in Table 2206.2.3.

C. The distance in feet from adjacent structures shall be double the distance specified in Table 2306.2.3.

D. In compliance with Chapter 57 of this code.

E. The diesel tank shall be double the distance specified in Table 2206.2.3 for the property line including the opposite side of the public way from any nondiesel fuel tank or dispensing operation.

2. INSTALLATION OF DISPENSING SYSTEMS

Dispensing systems shall be installed in accordance with Chapters 23 and 57 except as follows:
(a) Motor fuels shall be transferred from tanks by means of fixed pumps which are designed and equipped to allow control of the flow and to prevent leakage or accidental discharge,
(b) Tank and tank enclosure openings shall be through the top only. Approved antisiphon devices shall be installed at each connection of piping to a tank when such piping extends below the level of the top of such tank, and
(c) Dispensing devices are allowed to be installed on top of special enclosures.

3. PLANS
Plans submitted under 675 IAC 12-6, Design Releases, shall include the method of storage and dispensing, quantities and types of liquids to be stored, distances from tanks and dispensers to property lines and buildings, vehicle access, fire appliances, collision barriers, design and construction of tanks and tank supports, secondary containment tank venting, vapor recovery provisions, and emergency controls.

4. MAINTENANCE
Tanks, special enclosures, and dispensing systems shall be maintained in proper condition. Damage shall be repaired immediately using materials having equal or greater strength and fire resistance.

(5) Above ground tanks used for outside, above grade storage of Class II or IIIA liquids shall be listed and labeled in accordance with UL142 or listed and labeled as protected above ground tanks in accordance with UL 2085, and shall be installed in accordance with Chapter 57. Such tanks shall be located in accordance with Table 2306.2.3.
(6) Unless further restricted or permitted by Table 2306.2.3, tanks containing fuels shall not exceed 12,000 gallons (45,420 L) in individual capacity or 48,000 gallons (181,680 L) in aggregate capacity. Installations with the maximum allowable aggregate capacity shall be separated from other such installations by not less than 100 feet (30,480 mm).
(7) Tanks located at farms, construction projects, or rural areas shall comply with Section 5706.2.
(8) Above ground tanks used for outside above grade storage of Class IIIB liquid motor fuel shall be listed and labeled in accordance with UL 142 or listed and labeled as protected above ground tanks in accordance with Chapter 57. Such tanks shall be located in accordance with Table 2306.2.3.

(o) Add Section 2306.2.3.1 to read as follows: 2306.2.3.1 Storage Tanks at Bulk Plants. Aboveground tanks serving as bulk storage tanks shall not be used for fueling operations.

(p) Amend Section 2306.2.5 as follows:
(1) In the first sentence, delete "Where approved by the fire code official".
(2) Delete the second sentence and insert to read as follows: Temporary for the purpose of this section shall mean not more than ninety (90) days in any three hundred sixty-five (365) day period.

(q) Amend Section 2306.5 as follows:
(1) In the first paragraph, delete "Chapter 57" and insert "Section 5704.2.10".
(2) Insert an exception as follows: Exception: Approved aboveground tanks with a capacity of five hundred (500) gallons or less, utilized solely for the storage of used motor oil, and in compliance with EPA 40 CFR 279.22 and EPA 40 CFR 264.175 are exempt from the requirements of Section 5704.2.10.

(r) Amend Section 2306.7.6.1 to delete Item 2 without substitution.

(s) Amend Section 2306.7.9.1.3 to delete the last sentence and insert the following: Condensate tanks shall be designed and installed in accordance with the manufacturer's recommendation.

(t) Amend Section 2306.8.2 to delete the text and insert as follows: Change of system contents. Fuel dispensing systems subject to change of contents from gasoline to alcohol blended fuels shall require notification of the changes to the fire code official.

(u) Amend Section 2307.6 to delete the text and insert as follows: Self service propane dispensing systems, including key, code and card lock dispensing systems, shall be limited to the filling of permanently mounted fuel containers on propane powered vehicles. In addition to the requirements in Section 2305, the owner of self service propane motor fuel dispensing facilities shall ensure the safe operation of the system and the training of users.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-16)

675 IAC 22-2.5-17 Chapter 24; flammable finishes

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 17. Chapter 24 is amended as follows: (a) Delete Section 2401.3 in its entirety without substitution.

(b) Amend Section 2404.3.2.5, in Exception 1 and Exception 2, to delete "adequately" without substitution.

(c) Amend Section 2405.3.2 as follows:
(1) Amend the exception to insert, after "Exception", "1.".
(2) Add Exception 2, to read as follows: Exception 2. Bottom drains shall not be required for tanks that are equipped with automatic closing covers in accordance with Section 2405.7.

(d) Amend Section 2405.9.1 to delete the text and insert the following: Tanks shall be located an approved distance from furnaces and combustible floors and shall not be located on combustible floors.

(e) Amend Section 2407.3.1 to delete "adequately grounded" and insert "grounded in an approved manner".

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-17)

675 IAC 22-2.5-18 Chapter 25; fruit and crop ripening

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 18. Chapter 25 is amended as follows: Delete Section 2501.2 without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-18)

675 IAC 22-2.5-19 Chapter 26; fumigation and thermal insecticidal fogging

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 19. Chapter 26 is amended as follows: (a) Delete Section 2601.2 without substitution.

(b) Amend Section 2603.3.1 to delete the text after "space" without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-19)

675 IAC 22-2.5-20 Chapter 27; semiconductor fabrication facilities

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 20. Chapter 27 is amended as follows: (a) Delete Section 2701.5 without substitution.

(b) Amend Section 2703.3.3 to delete "34" and insert "57".

(c) Amend Section 2703.14.1 to delete the second sentence of item number one without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-20)

675 IAC 22-2.5-21 Chapter 28; lumber yards and woodworking facilities

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 21. Chapter 28 is amended as follows: (a) Delete Section 2801.2 without substitution.

(b) Amend Section 2803.7 to delete the text after "submitted" and insert "to the code official".

(c) Amend Section 2806.2 to delete the exception without substitution.

(d) Amend Section 2807.2 to delete the exception without substitution.

(e) Amend Section 2808.3 to delete the exception without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-21)

675 IAC 22-2.5-22 Chapter 29; manufacture of organic coatings

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 22. Chapter 29 is amended as follows: (a) Delete Section 2901.2 without substitution.

(b) Amend Section 2904.1 to delete "NFPA 70" and insert the "Indiana Electrical Code (675 IAC 17)".

(c) Amend Section 2906.5 to delete the last two (2) sentences and insert the following: The thin-down tank shall have an approved vent. Thinning operations shall be provided with an approved vapor removal system.

(d) Amend Section 2907.3 to delete "adequately" in the first sentence and insert the following: in an approved manner.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-22)

675 IAC 22-2.5-23 Chapter 30; industrial ovens

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 23. Chapter 30 is amended as follows: (a) Delete Section 3001.2 without substitution.

(b) Delete Section 3003.2 without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-23)

675 IAC 22-2.5-24 Chapter 31; tents and other membrane structures

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 24. Chapter 31 is amended as follows: (a) Amend Section 3101.1 to delete the text and insert the following: Except as otherwise provided in Sections 3104.8, 3104.15.5, and 3105.15.6, tents and membrane structures having an area in excess of 400 square feet shall be in accordance with Chapter 31.

Exception: Tents and membrane structures used exclusively for recreational camping purposes.

(b) Amend Section 3102.1 to add the following definitions:
(1) COMMERCIAL FOOD HEAT PROCESSING APPLIANCES. See the Indiana Mechanical Code.
(2) COOKING. Cooking means to prepare food using processes such as: boiling, roasting, baking, broiling, and frying by a method of exposure to flame or heat that prepares food suitable for consumption.
(3) OPEN OR EXPOSED FLAME EQUIPMENT. Open or exposed flame equipment means equipment with flame that is visible during the ordinary use of the equipment or device.

(c) Amend Section 3103.2 to delete the title and text and insert to read as follows: Notification required. The fire department having jurisdiction shall be notified when tents and membrane structures having an area in excess of 400 sq. ft. (37 m^2) are erected, operated, or maintained for any purpose.

(d) Amend Section 3103.3 to insert, at the end of the paragraph, the following: A tent, temporary membrane structure, air-supported or air-inflated structure with an occupant load of 50 or more shall be considered a place of assembly. Open or exposed flame equipment shall not be permitted in a place of assembly.

(e) Delete Section 3103.4 without substitution.

(f) Amend Section 3103.5 to delete "180" and insert "thirty (30)".

(g) Amend Section 3103.6 to delete "with each application for approval" and insert "to the fire department having jurisdiction".

(h) Amend Section 3103.7 to delete the text and insert to read as follows: The entire tent, air-supported, air-inflated or tensioned membrane structure system shall be inspected at regular intervals, but not less than one time per use period, by the owner or agent to determine that the installation is maintained in accordance with this chapter.

(i) Amend Section 3103.7.1 to delete the text and insert to read as follows: An inspection report shall be made available to the fire department having jurisdiction and shall consist of maintenance, anchors, and fabric inspections.

(j) Amend Section 3103.8.1 to delete the text and insert to read as follows: Fire apparatus access roads shall be provided in accordance with Section 503 and shall extend to within 150 feet of all portions of the structure.

(k) Amend Section 3103.8.2 to delete the text and insert to read as follows: Temporary membrane structures, tents, air-supported, air-inflated structures shall not be located within twenty (20) feet of lot lines, buildings, other temporary membrane structures, other tents and canopies, parked vehicles, or internal combustion engines. For purposes of determining required distances, support ropes and guy wires shall be considered as part of the temporary membrane structure, or tent.
Exceptions:
1. When the aggregate floor area does not exceed 15,000 square feet, separation distance between temporary membrane structures, and tents, in which open or exposed flame equipment is not used, and lot lines, buildings, other temporary membrane structures, other tents, parked vehicles, or internal combustion engines.
2. Temporary membrane structures and tents need not be separated from buildings when all of the following conditions are met:
2.1 The aggregate floor area of the temporary membrane structure or tent shall not exceed 10,000 square feet.
2.2 The aggregate floor area of the building and temporary membrane structure or tent shall not exceed the allowable floor area including increases in the Indiana Building Code.
2.3 All required exiting provisions for the building and the temporary membrane structure, or tent,

including travel distance.
2.4 Fire apparatus access roads are provided in accordance with Section 503.
3. Membrane structures and tents with an aggregate area of less than 400 sq. ft., used for open or exposed flame cooking shall be separated from buildings, parked vehicles or internal combustion engines by a minimum distance of ten (10) feet.

(l) Amend Section 3103.8.3 to delete the text and insert to read as follows: Tents, air-supported, air-inflated, or tensioned membrane structures having a single structure area in excess of 15,000 square feet shall be located not less than fifty (50) feet from other tents or structures as measured from the side wall of the tent unless joined by a corridor.

(m) Amends Section 3103.8.5 to delete the text and insert to read as follows: Tents, air-supported, air-inflated, or tensioned membrane structures having a single structure area of 15,000 square feet or more are allowed to be joined by means of a corridor. Exits shall be provided at each end of such corridor. On each side of such corridor and approximately opposite each other, there shall be provided openings not less than twelve (12) feet wide.

(n) Amend Section 3103.8.6 to delete the text and insert to read as follows: Temporary membrane structures, tents, air-inflated and air-supported structures where the aggregate floor area is 15,000 square feet or greater shall have an unobstructed fire break passageway or fire road not less than twelve (12) feet wide and free from guy ropes or other obstructions and shall be maintained on all sides of all tents, canopies, air-supported, air-inflated, or tensioned membrane structure.

(o) Amend Section 3103.12.5.1 to delete the text and insert to read as follows: The arrangement of aisles shall be maintained clear at all times during the occupancy. A plan indicating the exit ways, aisles, and seating shall be provided to the fire department having jurisdiction, and a copy shall be maintained on the premises.

(p) Amend Section 3103.12.7 to delete the text and insert to read as follows: Means of egress illumination shall be installed at required exit doorways and where otherwise necessary to indicate clearly the direction of egress when the exit serves an occupant load of fifty (50) or more. Means of egress shall be illuminated with light having an intensity of not less than one foot-candle (11 lux) at floor level while the structure is occupied. Fixtures required for means of egress illumination shall be supplied from a separate circuit or source of power.

(q) Amend Section 3104.2 to delete "before a permit is granted" and "by the permit" without substitution.

(r) Delete Section 3104.4 in its entirety without substitution.

(s) Amend Section 3104.7 to insert an exception to read as follows:
Exception. Open or exposed flame equipment emitting flame that is visible during the ordinary use of the equipment shall be permitted in temporary membrane structures or tents having an aggregate area of 400 square feet or less. Surfaces subject to oil or grease deposits shall be cleaned at intervals frequently enough to prevent oil or grease deposits from exceeding a thickness of twenty-five thousandths (0.025) inch.
All temporary membrane structures, tents, air-inflated, air-supported, tensioned membrane structures, buildings, parked vehicles, or internal combustion engines shall not be located within ten (10) feet.

(t) Delete Section 3104.13 without substitution.

(u) Amend Section 3104.15.1 to delete "and shall be approved by the code official" and insert "in effect at the time the equipment is installed".

(v) Amend Section 3104.15.2 as follows:
(1) At the end of the first sentence, insert ", in effect at the time the equipment is installed".

(2) Delete, in the second sentence, "when required" and insert "having openings not exceeding one-fourth (1/4) inch (six and four-tenths (6.4) mm) wire mesh".

(w) Amend Section 3104.15.5 to delete "sidewalks" and insert "sidewalls" and delete "20" and insert "ten (10)".

(x) Amend Section 3104.15.6 to delete "20" and insert "ten (10)".

(y) Amend Section 3104.16.2.1 to delete the text in its entirety and insert the following: Portable LP-gas containers of 500 gallons or less capacity shall have a minimum separation between the container and any fuel-operated device, including, without limitation, LP-gas, gasoline, electric, wood, coal, or charcoal-fueled equipment of not less than ten (10) feet, but in no event shall the container be located within or under the tent, or temporary membrane structure.

(z) Delete Section 3104.16.2.2 without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-24)

675 IAC 22-2.5-25 Chapter 32; high piled combustible storage

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 25. Chapter 32 is amended as follows: (a) Delete Section 3201.2 without substitution.

(b) Amend Section 3201.3 by deleting the first three (3) sentences and inserting to read as follows: Plans including the information specified in Section 3201.3 shall be provided to the fire department having jurisdiction. A copy of the plans shall be maintained on the premises.

(c) Amend Section 3201.4 to delete the text and insert to read as follows: An evacuation plan for public accessible areas and a separate set of plans indicating location and width of aisles, location of exits and exit signs, height of storage, and locations of hazardous materials shall be provided to the fire department having jurisdiction for review. Following review of the plans, a copy of the plans shall be maintained on the premises in an approved location.

(d) Amend Table 3206.,2 by deleting "when required by the code official" from Footnote d and Footnote g without substitution.

(e) Amend Section 3206.6 by deleting the exception without substitution.

(f) Amend Section 3206.6.1, by inserting, in the second sentence, after " ladder", "and shall have landings in accordance with the Indiana Building Code Section 1003.3.1.4".

(g) Amend Section 3206.6.1.1 to add an exception as follows: Exception: In buildings having ESFR sprinkler systems, a minimum of one (1) access door shall be provided in each two hundred (200) lineal feet (sixty thousand nine hundred sixty (60,960 mm), or fraction thereof, of the exterior walls which face the required fire apparatus access road. Spacing between doors shall not exceed two hundred (200) lineal feet.

(h) Delete Section 3208.3.1 without substitution.

(i) Amend Section 3208.5.1 to delete ", when required by the fire code official" without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-25)

675 IAC 22-2.5-26 Chapter 33; fire safety during construction and demolition

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 26. Chapter 33 is amended as follows: Amend Section 3304.5, in the first sentence, as follows:
(1) Delete "When required by the fire code official" and "qualified" without substitution.
(2) Insert after "nature" and before the "," "the fire chief or Division of Fire and Building Safety shall require that approved".

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-26)

675 IAC 22-2.5-27 Chapter 34; tire rebuilding and tire storage

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 27. Chapter 34 is amended as follows: (a) Delete Section 3401.2 without substitution.

(b) Amend Section 3404.5 to delete "and approval" in the first sentence without substitution.

(c) Amend Section 3406.1 to delete the last sentence without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-27)

675 IAC 22-2.5-28 Chapter 35; welding and other hot work

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 28. Chapter 35 is amended as follows: (a) Delete Section 3501.2 without substitution.

(b) Amend Section 3501.3 as follows:
(1) Delete "unless approval has been obtained from the code official" without substitution.
(2) Delete item 4 and item 5 without substitution.

(c) Amend Section 3504.1.8 to delete the last sentence and insert the following: The code official shall be notified where the sprinkler protection is impaired.

(d) Amend Section 3504.1.9 to delete "approved" without substitution.

(e) Amend Section 3506.4 to delete "NFPA 70" and insert "the Indiana Electrical Code".

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-28)

675 IAC 22-2.5-29 Chapter 36; marinas

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 29. Chapter 36 is amended as follows: Delete Chapter 36 in its entirety without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-29)

675 IAC 22-2.5-30 Chapter 50; hazardous materials–general provisions

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 30. Chapter 50 is amended as follows: (a) Amend Section 5001.1, by adding a new Exception 12 to read as follows: Exception 12. Laboratory use of hazardous chemicals provided a Chemical Hygiene Plan as defined in Section 5002 of the code has been implemented at the facility.

(b) Amend Section 5001.2.1 to delete the text and insert as follows: Mixtures shall be classified in accordance with the hazards of the mixture as a whole. Mixtures of hazardous materials shall be classified in accordance with nationally recognized standards, by a recognized organization or Material Safety Data Sheet (MSDS). Classification of mixtures may also be done by a registered professional engineer.

(c) Amend Section 5001.3 to delete the text and insert to read as follows: See 675 IAC 12-6-11.

(d) Delete Section 5001.5 without substitution.

(e) Amend Section 5001.5.1 to delete the text and insert the following: Regulation by the Emergency Planning and Community Right to Know Act (EPCRA) as set forth at 42 U.S.C. 11001, et seq. constitutes compliance with Section 5001.4.1. For hazardous materials used, stored, dispensed, or handled in excess of quantities listed in TABLES 5003.1.1, an owner or operator of a facility not regulated by the Federal Emergency Planning and Community Right to Know Act shall notify the servicing fire department in writing and shall, when asked, allow the fire department to conduct an on-site health hazardous materials inspection of the facility and to provide the fire department specific location information on those hazardous materials.

(f) Amend Section 5001.5.2 to delete the text and insert the following: This section does not apply to facilities regulated under the Emergency Planning and Community Right to Know Act (EPCRA) as set forth at 42 U.S.C. 11001, et seq. For hazardous materials used, stored, dispensed, or handled in excess of the quantities listed in TABLES 5003.1.1, an owner or operator of a facility not regulated by the Federal Emergency Planning and Community Right to Know Act shall notify the servicing fire department in writing and shall, when asked, allow the fire department to conduct on on-site health hazardous materials inspection of the facility and provide to the fire department specific location information on those hazardous materials.

(g) Amend Section 5001.6.1 to delete "maintain a permit and" without substitution.

(h) Amend Section 5001.6.2 as follows:
(1) In the first sentence, delete "permit" and insert "hazardous materials management plan" and delete "an approved manner" and insert "accordance with Section 5001.5.3".
(2) Delete the second and third sentences without substitution.

(i) Amend Section 5001.6.3 to delete the text and insert to read as follows: The owner or operator shall submit a plan to the servicing fire department to terminate storage, dispensing, handling, or use of hazardous materials at least thirty (30) days prior to facility closure. The plan shall demonstrate that hazardous materials which were stored, dispensed, handled, or used in the facility have been transported, disposed of, or reused in a manner that eliminates the need for further maintenance and any threat to public health and safety.

(j) Amend Section 5002.1 to add the following definition: LABORATORY means a facility where the laboratory use of hazardous chemicals occurs. It is a facility where relatively small quantities of hazardous chemicals are used on a nonproduction basis.

(k) Amend Section 5003.1 to add an exception to read as follows: Exception. Portable medical gas cylinders containing cryogenic oxidizing or oxidizing gas in use by patients or on equipment used for patient transportation are exempt from this section.

(l) Amend Section 5003.2.6.1.1 to delete "be tested in an approved manner" and insert "not be defective and shall be compatible with the liquid to be stored".

(m) Amend Section 5003.3.1 to delete the text and insert to read as follows: Any unplanned sudden or nonsudden release into the environment of a listed hazardous substance that exceeds in any 24-hour period the reportable quantity for that substance, as identified in TABLE 302.5 of 40 CFR 302 and 40 CFR 355 Appendix A (July 1, 1997), and either causes a fire or explosion hazard or both, such as one that threatens contiguous property or the general public or causes an injury requiring emergency medical treatment, must be immediately reported to the servicing fire department.

(n) Amend Section 5003.3.1.1 to delete the text and insert to read as follows: Records of the unauthorized discharge of hazardous materials shall be provided by the owner or the operator.

(o) Amend Table 5003.1.1(1) as follows:
(1) Add a superscript "r" next to "Cryogenic Oxidizing and Oxidizing Gas" in the "Material" column.
(2) Add a footnote r to read as follows:
r. I-2 occupancies shall be permitted to contain the following quantities:
1. 300 cu. ft. or less per smoke compartment may be stored without an enclosure if associated with patient care areas. (See Section 407.5 of the Indiana Building Code, for smoke compartment requirements.)
2. 3,000 cu. ft. or less per room may be stored in rooms separated from adjacent spaces by smoke partitions complying with Section 710 of the Indiana Building Code.
3. 20,000 cu. ft. or less per room may be stored in rooms separated from adjacent spaces by 1-hour fire barriers complying with Section 706 of the Indiana Building Code.
4. Regardless of quantities, rooms containing manifolds shall be separated from adjacent spaces by 1-hour fire barriers complying with Section 706 of the Indiana Building Code.
5. Regardless of quantities, rooms used for liquid oxygen transfer shall be separated from adjacent spaces by 1-hour fire barriers complying with Section 706 of the Indiana Building Code.

(p) Amend Table 5003.1.1(3) as follows: In the row entitled "Unstable (reactive)", in the column entitled "STORAGE – Solid pounds (cubic feet)", in the row listing for Class 2, delete "2000" and insert "200".

(q) Amend Table 5003.1.1(4) as follows:
(1) In the column entitled STORAGE, in the third sub-column header, "Gas cubic feet at NTP, delete "gallons" and insert "pounds".
(2) In the column entitled USE-CLOSED SYSTEMS, in the third sub-column header, "Gas cubic feet at NTP", delete "gallons" and insert "pounds".

(r) Amend Section 5003.3.1.4 to delete the title and text and insert to read as follows: Responsibility for control and mitigation. The person, firm, or corporation responsible for an unplanned sudden or nonsudden release shall institute and complete all actions necessary to remedy the effects of such unplanned release at no cost to the servicing fire department. Control and mitigation may be initiated by the fire department or by an authorized individual or firm. Costs associated with such control or mitigation shall be borne by the owner, operator, or other person responsible for the release.

(s) Amend Section 5003.4 to delete the text and insert the following: 5003.4 Material Safety Data Sheets (MSDS) for applicable hazardous materials shall be kept in a location which is acceptable to both the facility operator and the servicing fire department.

(t) Amend Table 5003.8.3.2 by adding footnote c as follows: c. This Table shall not apply to the storage or use of Oxidizing Cryogenics, Oxidizing Gases and Liquefied Oxidizing Gases in I-2 occupancies.

(u) Amend Section 5003.8.7.1 to delete "either be listed in accordance with UL 1275 as suitable for the intended storage or constructed in accordance with the following" in the last sentence and insert to read as follows: be one of the following:
1. listed in accordance with UL 1275 as suitable for the intended storage
2. approved by the code official
3. in compliance with the rules of the Commission or its predecessor agencies in effect at the time that the materials, including quantities and their location, were first stored, or

4. constructed in accordance with the following:

(v) Amend Section 5003.9.8, delete the text and insert to read as follows: Materials need not be considered as incompatible if, based on an engineering assessment, the results of potential mixing are deemed as non-consequential to personnel safety and result in no deleterious effect. Incompatible materials which ultimately need to be combined as part of a unit operation of chemical process need not be separated.

(w) Amend Section 5004.2.2.3 to delete the second sentence and insert to read as follows: The containment capacity shall be designed to contact the flow based on calculated hydraulic design density of the sprinkler system for a period of 20 minutes.

(x) Amend Section 5004.3.1 to delete item #4 without substitution.

(y) Amend Section 5004.10 to add an exception to read as follows: Exception: A facility that is provided with a watchman service and is provided with an audible fire alarm system that can be heard by the watchman in all areas of the facility.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-30)

675 IAC 22-2.5-31 Chapter 51; aerosols

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 31. Chapter 51 is amended as follows: (a) Delete Section 5101.2 without substitution.

(b) Amend Section 5101.3 to delete "at an approved location" without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-31)

675 IAC 22-2.5-32 Chapter 52; combustible fibers

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 32. Chapter 52 is amended as follows: (a) Delete Section 5201.3 without substitution.

(b) Amend Section 5203.4 to delete the title and text and insert to read as follows: Agricultural products and combustible fibers. Combustible fibers, hay, straw, or similar agricultural products shall not be stored adjacent to structures or combustible materials unless a clear horizontal distance equal to the height of a pile is maintained between such storage and structures or combustible materials. Storage shall be limited to stacks of one hundred (100) tons (ninety-one (91) metric tons) each. Stacks shall be separated by a minimum of twenty (20) feet (six thousand ninety-six (6,096) mm) of clear space. Exterior storage of agricultural products and combustible fibers shall be surrounded with an approved fence. Fences shall be a minimum of six (6) feet (one thousand eight hundred twenty-nine (1,829) mm) in height. Quantities of hay, straw, and other agricultural products shall not be limited or fencing required when stored in or near farm structures located outside closely built areas. A permit shall not be required for agricultural storage.

(c) Amend Section 5204.3 to delete "approved" and insert "listed".

(d) Amend Section 5204.4 to delete "approved" and insert "listed".

(e) Amend Section 5205.1, to add a second sentence to read as follows: Automatic sprinkler protection shall be provided for interior storage of quantities exceeding one thousand (1,000) cubic feet.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-32)

675 IAC 22-2.5-33 Chapter 53; compressed gases

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 33. Chapter 53 is amended as follows: (a) Delete Section 5301.2 without substitution.

(b) Amend Section 5303.5.1 to delete "in an approved manner" without substitution.

(c) Amend Section 5303.15 to delete "approved" without substitution.

(d) Amend Section 5303.16.1 to delete, in the exception, "Where approved by the fire code official,".

(e) Amend Section 5306.2 to delete "the permit amount" and insert "five hundred four (504) cubic feet".

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-33)

675 IAC 22-2.5-34 Chapter 54; corrosive materials

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 34. Chapter 54 is amended to delete Section 5401.2 without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-34)

675 IAC 22-2.5-35 Chapter 55; cryogenic fluids

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 35. Chapter 55 is amended as follows: (a) Delete Section 5501.2 without substitution.

(b) Amend Section 5503.1.1.1 to delete item 6 without substitution.

(c) Amend Section 5503.10 to delete "when required," without substitution.

(d) Amend Section 5504.3.1.1.5 to delete, in the exception, "by the fire code official".

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-35)

675 IAC 22-2.5-36 Chapter 56; explosives and fireworks

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14-2-2; IC 35-47.5-4-4.5; IC 36-8-17

Sec. 36. Chapter 56 is amended as follows: (a) Amend the title of the chapter to insert "Manufacturing and Storage of" before "fireworks".

(b) Amend Section 5601.1 as follows:
(1) Delete the text of Exception 4 and insert the following: Commercially manufactured black powder in quantities not to exceed fifty (50) pounds, percussion caps, safety and pyrotechnic fuses, quills, quick and slow matches, and friction primers, if the black powder is intended to be uses solely for sporting, recreational, or cultural purposes in antique firearms or antique devices.

(2) Add Exception 10 to read as follows: 10. The sale, possession, use and handling of fireworks 1.3G (Special fireworks) as set forth in NFPA 1123 (675 IAC 28-1-39).
(3) Add Exception 11 to read as follows: 11. The sale, possession, or use of fireworks 1.4G (Class C common fireworks).
(4) Add Exception 12 to read as follows: 12. The sale, transfer, storage, possession, use and handling of pyrotechnics before a proximate audience as set forth in NFPA 1126 (675 IAC 22-2.2-26).

(c) Amend Section 5601.1.1 as follows:
(1) Delete ", sale, handling" without substitution.
(2) Insert "NFPA 495 was adopted by the Commission at 675 IAC 26-3 as part of the regulations for possession and usage of explosives for all uses except coal mining."

(d) Amend Section 5601.1.2 to delete ", the operation of explosive material terminals shall conform to the provisions of NFPA 498" without substitution.

(e) Delete Section 5601.1.3 in its entirety without substitution.

(f) Delete Section 5601.1.4 without substitution.

(g) Amend Section 5601.1.5 as follows:
(1) Delete "NFPA 490 and" without substitution.
(2) Insert "and 675 IAC 26-3" after "Chapter 63".
(3) Delete the exception without substitution.

(h) Amend Section 5601.2 to delete the text and insert to read as follows: Permits shall be as required in IC 22-11-14, IC 22-14-4, 675 IAC 12-3, and 675 IAC 12-9-4.

(i) Amend Section 5601.2.1 to delete the title and text in its entirety and insert the following: Bond. See IC 22-14-4-2.

(j) Delete Section 5601.2.2 without substitution.

(k) Delete Section 5601.2.3 without substitution.

(l) Delete Section 5601.2.4 in its entirety without substitution.

(m) Delete Section 5601.3 without substitution.

(n) Amend Section 5601.4 as follows:
(1) Delete "blasting," without substitution.
(2) Add a second sentence to read as follows: Persons in charge of blasting shall comply with IC 35-47.5-4-4.5.

(o) Delete Section 5601.5 without substitution.

(p) Amend Section 5601.6 to delete "48 hours in advance, not including Saturdays, Sundays, and holidays," and insert "immediately".

(q) Delete Section 5601.7 without substitution.

(r) Amend Section 5603.5 to delete "pyrotechnic display operator or" and "all aerial shells that fail to fire" without substitution.

(s) Amend Section 5603.6 to delete "DOL 29 CFR, Part 1910.1200, and" without substitution.

(t) Amend Section 5604.2 as follows:
(1) Delete "or NFPA 1124" without substitution.
(2) Insert, after "NFPA 495", "as adopted by the Commission at 675 IAC 26-3".
(3) Delete Exception 2 without substitution.
(4) Insert, after "NFPA 1123", "as adopted at 675 IAC 28-1-39".
(5) Delete "NFPA 1126" without substitution.

(u) Amend Section 5604.5.3.1 to delete "Wherever practicable," without substitution.

(v) Amend Section 5604.6.2 to delete "as prescribed in NFPA 495" without substitution.

(w) Amend Section 5604.6.3 to delete ", except as provided in NFPA 495" without substitution.

(x) Amend Section 5604.6.5.2 to delete "as required" and "by DOTn 49 CFR, Part 172 and DOTy 27 CFR, Part 55" without substitution.

(y) Amend Section 5604.7.1 to insert "as adopted by the Commission at 675 IAC 26-3" after "NFPA 495".

(z) Delete Section 5604.10.1 without substitution.

(aa) Amend Section 5604.10.5 as follows:
(1) In the first sentence, delete "practicable".
(2) In the third sentence, delete, "When possible," without substitution, and delete "adequate" and insert "approved".

(bb) Amend Section 5605.1 as follows:
(1) Insert, after "NFPA 495", "as adopted by the Commission at 675 IAC 26-3".
(2) Delete "and NFPA 1124" without substitution.
(3) Insert, in Exception number 2, "as adopted by the Commission at 675 IAC 26-3" after "NFPA 495".
(4) Insert, in Exception number 3, "as adopted by the Commission at 675 IAC 22-2.2-26" after "NFPA 1126".

(cc) Amend Section 5605.2 to insert, before "406 ", "and" and delete "and 407".

(dd) Delete Section 5605.2.1 without substitution.

(ee) Delete Section 5605.2.2 without substitution.

(ff) Amend Section 5605.3 as follows:
(1) Delete the exception in its entirety without substitution.
(2) In the third sentence, delete "a suitable" and insert "an approved", and delete "adequate" and insert "approved".
(3) Delete the last paragraph without substitution.

(gg) Amend Section 5605.4 to delete the exception without substitution.

(hh) Amend Section 5605.5 to delete the exception without substitution.

(ii) Amend Section 5605.5.3 to delete "Where necessary," without substitution.

(jj) Amend Section 5605.6.1 to delete "warrants" and insert "creates a significant fire or explosion hazard".

(kk) Amend Section 5605.6.4.1 to delete, in each sentence, "appropriate" and insert "approved.

(ll) Amend Section 5605.6.8 to delete the exception without substitution.

(mm) Amend Section 5605.8 to delete "only in isolated areas where distance, protection from missiles, shrapnel or fly rock, and other safeguards provides protection against injury to personnel or damage to property" and insert "in accordance with 675 IAC 26-3".

(nn) Amend Section 5606.1 as follows:
(1) Insert, "NFPA 495", "as adopted by the Commission at 675 IAC 26-3".
(2) Insert an exception to read as follows: Exception: Section 3306 does not apply to the hand loading of small arms ammunition prepared for personal use and not for resale.

(oo) Amend Section 5606.3 to delete "conforming to DOTn 49 CFR, Part 173" without substitution.

(pp) Amend Section 5606.3.2 to delete the exception without substitution.

(qq) Delete Section 5606.4 in its entirety without substitution.

(rr) Amend Section 5606.5.2.3 to delete the text of item number 1 and insert "Quantities not to exceed 750,000 small arms primers stored in a building shall be arranged such that not more than 100,000 small arms primers are stored in any one pile and piles are at least 15 feet (4572 mm) apart."

(ss) Amend Section 5606.5.2.3 to insert, at the end of item number 3, "as adopted by the Commission at 675 IAC 26-3" after "NFPA 495".

(tt) Amend Section 5607 to delete the text in its entirety and insert "See 675 IAC 26-3."

(uu) Amend Section 5608 to delete the text in its entirety and insert "See 675 IAC 28-1-39."

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-36)

675 IAC 22-2.5-37 Chapter 57; flammable and combustible liquids

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 37. Chapter 57 is amended as follows: (a) Amend Section 5701.4 to delete the title and text and insert to read as follows: Plans. Prior to commencement of construction to store more than six hundred sixty (660) gallons (two thousand four hundred ninety-eight (2,498) L) of liquid outside of buildings in drums or tanks, the owner shall notify the servicing fire department, in writing, of the proposed storage and that a copy of the plans released under 675 IAC 12-6 are available upon request. A copy of the released plans shall indicate the method of storage, quantities to be stored, distances from the buildings and property lines, accessways, fire protection facilities, and provisions for spill control, drainage control, and secondary containment.

(b) Amend Section 5703.5 to delete the first sentence and insert to read as follows: The inspection authority is authorized to require warning signs for the purpose of identifying hazards of storing or using flammable liquids, when such storage or use would cause a fire or explosion hazard.

(c) Amend Section 5704.2.2 to delete the text and insert to read as follows: Tank cars and tank vehicles

shall not be used as permanent storage tanks.

(d) Amend Section 5704.2.3.1, to add an exception to read as follows: Exception: Buildings or structures which are smoke-free environments and are posted as such at all public and employee entrances, and no visible evidence of prohibited smoking exist within the building or structure.

(e) Amend Section 5704.2.7.5.5.2 to delete "1,000 gallons (3,785 L)" and insert "one thousand one hundred (1,100) gallons (four thousand one hundred sixty-four (4,164) L)".

(f) Amend Section 5704.2.7.5.6 to delete ", not more than 5 feet (1524 mm) above the finished ground level, in an approved location in close proximity to the parked delivery vehicle" without substitution.

(g) Amend Section 5704.2.7.5.8 to insert, in the first sentence, after "liquid", "underground".

(h) Delete Section 5704.2.9.1 without substitution.

(i) Amend Section 5704.2.9.2.1 to delete "When required by the fire code official," without substitution.

(j) Delete Section 5704.2.9.6.1 without substitution.

(k) Amend Section 5704.2.10 to delete both exceptions in their entirety and insert the following:
Exceptions:
1. Aboveground tanks are not required to be provided with diking when the tank complies with the requirements of Section 2306.2.3 Installation of Tanks, including subsections (a), (b), and (c), and secondary containment systems are monitored for leak detection with an automatic alarm system, visual or audible, or both.
2. Approved aboveground tanks with a capacity of five hundred (500) gallons or less, utilized solely for the storage of used motor oil, and in compliance with EPA 40 CFR 279.22 and EPA 40 CFR 264.175 are exempt from the requirements of 3404.2.10.
3. Drainage control and diking is not required for listed secondary containment tanks.

(l) Amend Section 5704.2.10.5 to add an Exception 3 to read as follows: Exception 3. Tanks storing more than five thousand (5,000) gallons of gasoline, diesel fuel, or kerosene may have pumps and manifolds attached directly to the tank within diked areas.

(m) Amend Section 5704.2.11.4 to delete the text and insert to read as follows: Fill pipes shall be equipped with a spill container and an overfill prevention system for each tank. The system shall comply with one of the following:
(1) Automatically shut off the flow of liquid into the tank when the tank is not more than ninety-five (95) percent of tank capacity; or
(2) Have an alarm which provides an audible and visual signal when the quantity of liquid in the tank reaches ninety (90) percent of the tank capacity; or
(3) Restrict flow thirty (30) minutes prior to overfilling and alert the transfer operator with a high level alarm one (1) minute before overfilling or automatically shut off flow into the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.

(n) Amend Section 5704.2.12.2 to delete the text and insert to read as follows: Testing of underground tanks. In advance of intent to test for tightness and cover the system, the installer of the underground tanks and piping shall provide at least 48 hour notification to the AHJ (Authority Having Jurisdiction). Before being covered or placed in use, tanks and piping connected to underground tanks shall be tested for tightness in accordance with Section 5703.6.3 and the installer shall make the results of tests available to the AHJ.

(o) Amend Section 5704.2.13.1.3 to add an exception to read as follows:
Exception:

Tanks that meet the following:
(A) are within operating facilities; and
(B) are entered, cleaned and sealed and otherwise in compliance with Indiana Fire Code requirements; and
(C) have the structural integrity specifications by manufacturer maintained.
Recommissioning of any such tank requires a 0.01 gph (gallon per hour) tightness test and notification to the AHJ.

(p) Amend Section 5704.3.1.1 to delete the text and insert to read as follows: Only listed or labeled containers and portable tanks shall be used.

(q) Amend Section 5704.3.2.1.1 to delete the text and insert to read as follows: Cabinets shall listed in accordance with UL 12 75, approved by the code official, and in compliance with the rules of the Commission or its predecessor agencies in effect at the time the materials, including quantities and their location, were first stored, and constructed of approved wood or metal in accordance with the following:
1. Metal cabinets shall be constructed of steel having a thickness of not less than 0.044 inch (1.12 mm) (18 gage). The cabinet, including the door, shall be double walled with 11/2-inch (38 mm) airspace between the walls. Joints shall be riveted or welded and shall be tight fitting.
2. Wooden cabinets, including doors, shall be constructed of not less than 1-inch (25 mm) exterior grade plywood. Joints shall be rabbeted and shall be fastened in two directions with wood screws. Door hinges shall be of steel or brass. Cabinets shall be painted with an intumescent-type paint.

(r) Amend Section 5704.3.2.1.3, to add an exception to read as follows: Exception: Doors on cabinets that comply with 5704.3.2.1.1.

(s) Amend Section 5704.3.6.5 to delete "When required by the code official" without substitution.

(t) Amend Section 5705.3.1 to delete the exception without substitution.

(u) Amend Section 5705.3.7.5.,1 to delete the exception without substitution.

(v) Amend Section 5705.3.7.5.3 to delete the first sentence and insert to read as follows: Spill control shall be provided in accordance with Section 5703.4 where Class I, II, or IIIA liquids are dispensed into containers exceeding a two (2) gallon (seven and six-tenths (7.6) liter) capacity or mixed or used in open containers or systems exceeding five and three-tenths (5.3) gallon (twenty (20) liter) capacity.

(w) Amend Section 5706.2.2 to delete the last sentence without substitution.

(x) Amend Section 5706.2.4.3 to delete, in the first and second sentences, "50 feet (15,240 mm)" and insert "ten (10) feet (three thousand forty-eight (3,048) mm)".

(y) Delete Section 5706.2.4.4 without substitution.

(z) Amend Section 5706.2.8 as follows:
1. In item 1, delete, "that of" and insert "equipped".
2. In item 2, delete, "100 feet" and insert "150 feet (45,720 mm)".

(aa) Amend Section 5706.2.8.1 to delete "50 feet (15,240 mm)" and insert "twenty-five (25) feet (seven thousand six hundred twenty (7,620) mm)".

(bb) Amend Section 5706.4 to insert a second sentence to read as follows: "Also see Section 2306.2.3.1 of this code."

(cc) Delete Section 5706.4.4 without substitution.

(dd) Amend Section 5706.4.7 to delete, in the exception, "Chapter 22" and insert "Chapter 23".

(ee) Amend Section 5706.5.1.18 to delete Exception 2 without substitution.

(ff) Amend Section 5706.5.4.5 to delete item number 1 without substitution.

(gg) Amend Section 5706.5.4.5 to delete, in Exception 11, "100 feet (30,480)" and insert "150 feet (45,720 mm)".

(hh) Amend Section 5706.6.2.1 to delete the text in its entirety and insert the following:
(1) Tank vehicles shall not be left unattended on any street, highway, avenue, or alley, provided that drivers are not prevented from those necessary absences from the vehicle connected with their normal duties, nor shall this requirement prevent stops for meals or rest stops during the day or night.
Exception 1. This shall not apply to an emergency.
Exception 2. This shall not apply to vehicles parked in accordance with (b).
(2) Tank vehicles shall not be parked in congested areas. Such vehicles shall be permitted to be parked off the street in uncongested areas if at least fifty (50) feet (fifteen (15) m) from any building used for assembly, institutional, or multiple residential occupancy. This requirement shall not prohibit the parking of cargo vehicles of three thousand five hundred (3,500) gallons (thirteen (13) m^3) water capacity or less on streets adjacent to the driver's residence in uncongested residential areas, provided such parking locations are at least fifty (50) feet (fifteen (15) m) from a building used for assembly, institutional, or multiple residential occupancy.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-37)

675 IAC 22-2.5-38 Chapter 58; flammable gases

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 38. Chapter 58 is amended as follows: Delete Section 5801.2 without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-38)

675 IAC 22-2.5-39 Chapter 59; flammable solids

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 39. Chapter 59 is amended as follows: (a) Delete Section 5901.2 without substitution.

(b) Amend Section 5906.5.5 to delete "shall be approved types and shall be approved" and insert "shall be listed".

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-39)

675 IAC 22-2.5-40 Chapter 60; highly toxic and toxic materials

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 40. Chapter 60 is amended as follows: Delete Section 6001.2 without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-40)

675 IAC 22-2.5-41 Chapter 61; liquefied petroleum gases

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 41. Chapter 61 is amended as follows: (a) Delete Section 6101.2 without substitution.

(b) Amend Section 6101.3 to insert after "installation", "in accordance with the General Administrative Rules (675 IAC 12)".

(c) Amend Section 6104.1 to delete "and be subject to the approval of the code official".

(d) Amend Section 6104.2 to delete the exception without substitution.

(e) Amend Section 6105.2 to delete the text after "except" and insert "as provided by NFPA 58 (675 IAC 22-2.2-17)".

(f) Amend Section 6106.1 to delete "a qualified attendant" and insert "qualified personnel".

(g) Amend Section 6107.2 to delete the text in its entirety and insert the following: NO SMOKING signs complying with Section 310 shall be posted. Smoking within twenty-five (25) feet (seven thousand six hundred twenty-five (7,625) mm) of a point of transfer, while filling operations are in progress at containers or vehicles, shall be prohibited. Control of other sources of ignition shall comply with NFPA 58 (675 IAC 22-2.2-17).

(h) Amend Section 6109.7 to insert "crawl" before "spaces".

(i) Amend Section 6109.12 to delete the text in its entirety and insert the following: Storage outside of buildings, for containers awaiting use, resale, or part of a cylinder exchange program, shall be located and protected in accordance with NFPA 58 (675 IAC 28-1-22).

(j) Amend Section 6111.2 to delete the text in its entirety and insert the following: The unattended parking of LP-gas tank vehicles shall be in accordance with Section 5706.6.2.1.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-41)

675 IAC 22-2.5-42 Chapter 62; organic peroxides

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 42. Chapter 62 is amended as follows: Delete 6201.2 without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-42)

675 IAC 22-2.5-43 Chapter 63; oxidizers, oxidizing gases, and oxidizing cryogenic fluids

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 43. Chapter 63 is amended as follows: Delete Section 6301.2 without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-43)

675 IAC 22-2.5-44 Chapter 64; pyrophoric materials

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 44. Chapter 64 is amended as follows: Delete 6401.2 without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-44)

675 IAC 22-2.5-45 Chapter 65; pyroxylin (cellulose nitrate) plastics

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 45. Chapter 65 is amended as follows: Delete Section 6501.2 without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-45)

675 IAC 22-2.5-46 Chapter 66; unstable (reactive) materials

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 46. Chapter 66 is amended as follows: Delete Section 6601.2 without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-46)

675 IAC 22-2.5-47 Chapter 67; water-reactive solids and liquids

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 47. Chapter 67 is amended as follows: Delete Section 6701.2 without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-47)

675 IAC 22-2.5-48 Appendix A; board of appeals

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 48. Appendix A is amended as follows: Delete Appendix A Board of Appeals in its entirety without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-48)

675 IAC 22-2.5-49 Appendix A-1 and A-2; emergency escape plan and emergency information

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 49. Add Appendix A-1 and A-2 as follows:
(1) Appendix A-1 Emergency Escape Plan Sign.
(2) Appendix A-2 Emergency Information Sign.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-49)

675 IAC 22-2.5-50 Appendices B through G

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 50. The following appendices are not adopted and may be used for information purposes only:
(1) Appendix B; Fire-flow Requirements for Buildings.
(2) Appendix C; Fire Hydrant Locations and Distribution.

(3) Appendix D; Fire Apparatus Access Roads.
(4) Appendix E; Hazard Categories.
(5) Appendix F; Hazard Ranking.
(6) Appendix G; Cryogenic Fluids–Weight and Volume Equivalents.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-50)

675 IAC 22-2.5-51 Appendix VI-F; recommended separation distances for explosives

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 51. (a) Portions of this work are reproduced from the 1997 edition of the Uniform Fire Code, Appendix VI-F, copyright© 1997, with the permission of the publisher, the International Conference of Building Officials. ICBO assumes no responsibility for the accuracy or completion of summaries provided therein.

(b) Add Appendix VI-F to read as follows:
APPENDIX VI-F
RECOMMENDED SEPARATION DISTANCES FOR EXPLOSIVE MATERIALS (See Chapter 33)
The following information is provided as reference information for application of Chapter 56 and IC 22-11-14.
The information provided in Section 1 is excerpted from federal regulations in 49 CFR, Parts 171-173. A discussion of the new regulations is also provided.
Table A-VI-F-5 is reprinted with permission of the Institute of Makers of Explosives with the provision that the entire table, complete with all explanatory footnotes, is printed. Table A-VI-F-5 is used for magazines containing high explosives or a combination of high explosives and low explosives, and for magazines containing blasting agents.
TABLE A-VI-F-2 - DEFINITIONS FOR DIVISIONS OF CLASS 1 (EXPLOSIVE) MATERIALS DIVISION DEFINITION

TABLE A-VI-F-2 - DEFINITIONS FOR DIVISIONS OF CLASS 1 (EXPLOSIVE) MATERIALS	
DIVISION	DEFINITION
1.1	Explosives that have a mass hazard explosion. A mass explosion is one that affects almost the entire load instantaneously. (Examples include dynamite, cap-sensitive water gels, slurries, emulsions, and cast boosters.)
1.2	Explosives that have a projection hazard but not a mass explosion hazard. (Examples include ammunition, projectiles, and bombs.)
1.3	Explosives that have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard. (Examples include some propellants, some fireworks, and flares.)
1.4	Explosive devices that present a minor explosion hazard. External fire must not cause virtually instantaneous explosion of almost the entire contents of the package. (Examples include some detonators and detonating cords, safety fuse, electric squibs, igniters, igniting cord, and some fireworks.)
1.5	Very insensitive explosives. This division is comprised of substances that have a mass explosion hazard but are so insensitive that there is very little probability of initiation or of transition from burning to detonation under normal conditions of transport. (Examples include blasting agents.)
1.6	Extremely incentive articles that do not have a mass explosion hazard. This division is comprised of articles that contain only extremely insensitive detonation substances and that demonstrate a negligible probability of accidental initiation or propagation. (This division is not commonly used for commercial explosives.)

TABLE A-VI-F-3 - COMPARISON OF OLD TO CURRENT EXPLOSIVES CLASSIFICATIONS	
CLASS A EXPLOSIVES	May be either DIVISION 1.1 or 1.2 depending on the material
CLASS B EXPLOSIVES	May be either DIVISION 1.2 or 1.3 depending on the material
CLASS C EXPLOSIVES	DIVISION 1.4
BLASTING AGENTS	DIVISION 1.5
(NO APPLICABLE CLASS)	DIVISION 1.6

TABLE A-VI-F-4 - EXPLOSIVES COMPATIBILITY GROUPS		
DESCRIPTION OF SUBSTANCES OR ARTICLE TO BE CLASSIFIED	**COMPATIBILITY GROUP**	**CLASSIFICATION CODE**
Primary explosive substance.	A	1.1A
Article containing a primary explosive substance and not containing two or more effective protective substances.	B	1.1B, 1.2B, 1.4B
Propellant explosive substance or other deflagrating explosive substance or article containing such explosive substance.	C	1.1C, 1.2C, 1.3C, 1.4C
Secondary detonating explosive substance or black powder or article containing a secondary detonating explosive substance, in each case without means of initiation and without a propelling charge, or article containing a primary explosive substance and containing two or more effective protective features.	D	1.1D, 1.2D, 1.4D, 1.5D
Article containing a secondary detonating explosive substance, without means of initiation, with a propelling charge (other than one containing flammable liquid or hypergolic liquid).	E	1.1E, 1.2E, 1.4E
Article containing a secondary detonating explosive substance with its means of initiation, with a propelling charge (other than one containing flammable liquid or hypergolic liquid) or without a propelling charge.	F	1.1F, 1.2F, 1.3F, 1.4F
Pyrotechnic substance or article containing a pyrotechnic substance, or article containing both an explosive substance and an illuminating, incendiary, tear-producing or smoke-producing substance (other than a water-activated article or one containing white phosphorus, phosphide, or flammable liquid or gel or hypergolic liquid).	G	1.1G, 1.2G, 1.3G, 1.4G
Article containing both an explosive substance and white phosphorus.	H	1.2H,1.3H
Article containing both an explosive substance and flammable liquid or gel.	J	1.1J, 1.2J, 1.3J
Article containing both an explosive substance and a toxic chemical agent.	K	1.2K, 1.3K
Explosive substance or article containing an explosive substance and presenting a special risk (e.g., due to water-activation or presence of hypergolic liquids, phosphides, or pyrophoric substances) needing isolation of each type.	L	1.1L, 1.2L, 1.3L
Articles containing only extremely insensitive detonating substances.	N	1.6N
Substance or article so packed or designed that any hazardous effects arising from accidental functioning are limited to the extent that they do not significantly hinder or prohibit firefighting or other emergency response efforts in the immediate vicinity of the package.	S	1.4S

TABLE A-VI-F-5 - AMERICAN TABLE OF DISTANCES FOR STORAGE OF EXPLOSIVE MATERIALS

As Revised and Approved by the Institute of Makers of Explosives - June 1991[14]

QUANTITY OF EXPLOSIVE MATERIALS [1 2 3 4 15]		DISTANCES IN FEET x 304.8 Per mm							
		Inhabited Buildings[9]		Public Highways with Traffic Volume of less than 3,000 Vehicles per Day		Passenger Railways - Public Highways with Traffic Volume of more than 3,000 Vehicles /Day[10 11]		Separation of Magazines [5 12]	
Pounds Over	Pounds Not Over	Barricaded[6 7 8]	Unbarricaded	Barricaded[6 7 8]	Unbarricaded	Barricaded[6 7 8]	Unbarricaded	Barricaded[6 7 8]	Unbarricaded
x 0.454 Per kg									
0	5	70	140	30	60	51	102	6	12
5	10	90	180	35	70	64	128	8	16
10	20	110	220	45	90	81	162	10	20
20	30	125	250	50	100	93	186	11	22
30	40	140	280	55	110	103	206	12	24
40	50	150	300	60	120	110	220	14	28
50	75	170	340	70	140	127	254	15	30
75	100	190	380	75	150	139	278	16	32

100	125	200	400	80	160	150	300	18	36
125	150	215	430	85	170	159	318	19	38
150	200	235	470	95	190	175	350	21	42
200	250	255	510	105	210	189	378	23	46
250	300	270	540	110	220	201	402	24	48
300	400	295	590	120	240	221	442	27	54
400	500	320	640	130	260	238	476	29	58
500	600	340	680	135	270	253	506	31	62
600	700	355	710	145	290	266	522	32	64
700	800	375	750	150	300	278	556	33	66
800	900	390	780	155	310	289	578	34	68
900	1,000	400	800	160	320	300	600	36	72
1,000	1,200	425	850	165	330	318	636	39	78
1,200	1,400	450	900	170	340	336	672	41	82
1,400	1,600	470	940	175	350	351	702	43	86
1,600	1,800	490	980	180	360	366	732	44	88
1,800	2,000	505	1,010	185	370	378	756	45	90
2,000	2,500	545	1,090	190	380	408	816	49	98
2,500	3,000	580	1,160	195	390	432	864	52	104
3,000	4,000	635	1,270	210	420	474	949	58	116
4,000	5,000	685	1,370	225	450	513	1,026	61	122
5,000	6,000	730	1,460	235	470	546	1,092	65	130
6,000	7,000	770	1,540	245	490	573	1,146	68	136
7,000	8,000	800	1,600	250	500	600	1,200	72	144
8,000	9,000	835	1,670	255	510	624	1,248	75	150
9,000	10,000	865	1,730	260	520	645	1,290	78	156
10,000	12,000	875	1,750	270	520	687	1,374	82	164
12,000	14,000	885	1,770	275	550	723	1,446	87	174
14,000	16,000	900	1,800	280	560	756	1,512	90	180
16,000	18,000	940	1,880	285	570	786	1,572	94	188
18,000	20,000	975	1,950	290	580	813	1,626	98	196
20,000	25,000	1,055	2,000	315	630	876	1,752	105	210
25,000	30,000	1,130	2,000	340	680	933	1,866	112	224
30,000	35,000	1,205	2,000	360	720	981	1,962	119	238
35,000	40,000	1,275	2,000	380	760	1,026	2,000	124	248
40,000	45,000	1,340	2,000	400	800	1,068	2,000	129	258
45,000	50,000	1,400	2,000	420	840	1,104	2,000	135	270
50,000	55,000	1,460	2,000	440	880	1,140	2,000	140	280
55,000	60,000	1,515	2,000	455	910	1,173	2,000	145	290
60,000	65,000	1,565	2,000	470	940	1,206	2,000	150	300
65,000	70,000	1,610	2,000	485	970	1,236	2,000	155	310
70,000	75,000	1,655	2,000	500	1,000	1,263	2,000	160	320
75,000	80,000	1,695	2,000	510	1,020	1,293	2,000	165	330
80,000	85,000	1,730	2,000	520	1,040	1,317	2,000	170	340
85,000	90,000	1,760	2,000	530	1,060	1,344	2,000	175	350
90,000	95,000	1,790	2,000	540	1,080	1,368	2,000	180	360
95,000	100,000	1,815	2,000	545	1,090	1,392	2,000	185	370
100,000	110,000	1,835	2,000	550	1,100	1,437	2,000	195	390
110,000	120,000	1,855	2,000	555	1,110	1,479	2,000	205	410
120,000	130,000	1,875	2,000	560	1,120	1,521	2,000	215	430
130,000	140,000	1,890	2,000	565	1,130	1,557	2,000	225	450
140,000	150,000	1,900	2,000	570	1,140	1,593	2,000	235	470
150,000	160,000	1,935	2,000	580	1,160	1,629	1,866	245	490
160,000	170,000	1,990	2,000	590	1,180	1,662	1,962	255	510
170,000	180,000	2,010	2,000	600	1,200	1,695	2,000	265	530
180,000	190,000	2,030	2,000	605	1,210	1,725	2,000	275	550
190,000	200,000	2,055	2,000	610	1,220	1,755	2,000	285	570
205,000	210,000	2,055	2,000	620	1,240	1,762	2,000	295	590
210,000	230,000	2,100	2,000	635	1,270	1,836	2,000	315	630
230,000	250,000	2,155	2,000	650	1,300	1,890	2,000	335	670
250,000	275,000	2,215	2,000	670	1,340	1,950	2,000	360	720
275,000	300,000[13]	2,275	2,000	690	1,380	2,000	2,000	385	770

[1] "Explosive materials" means explosives, blasting agents and detonators.

[2] "Explosives" means any chemical compound, mixture, or device, the primary or common purpose of which is to function by explosion. A list of explosives determined to be within the coverage of 18 U.S.C. Chapter 40, Importation, Manufacturer, Distribution and Storage of Explosive Materials, is issued at least annually by the director of the Bureau of Alcohol, Tobacco and Firearms of the Department of the Treasury. For quantity and distance purposes, detonating cord of 50 grains per foot (10.7g/m) should be calculated as equivalent to 8 pounds (3.6 kg) of high explosives per 1,000 feet (304.8 m). Heavier or lighter core loads should be rated proportionately.

[3] "Blasting agents" means any material or mixture, consisting of fuel and oxidizer, intended for blasting, not otherwise defined as an explosive, provided

that the finished product, as mixed for use or shipment, cannot be detonated by means of a No. 8 test blasting cap when unconfined.

[4] "Detonator" means any device containing any initiating or primary explosive that is used for initiating detonation. A detonator may not contain more than 10 grams of total explosives by weight, excluding ignition or delay charges. The term includes, but is not limited to, electric blasting caps of instantaneous and delay types, blasting caps for use within safety fuses, detonating cord delay connectors, and non-electric instantaneous and delay blasting caps which use detonating cord, shock tube or any other replacement for electric leg wires. All types of detonators in strengths through No. 8 cap should be rated at 1 1/2 pounds (0.68 kg) of explosives per 1,000 caps. For strengths higher than No. 8 cap, consult the manufacturer.

[5] "Magazine" means any building, structure, or container, other than an explosives manufacturing building, approved for the storage of explosive materials.

[6] "Natural barricade" means natural features of the ground such as hills, or timber of sufficient density that the surrounding exposure which require protection cannot be seen from the magazine when the trees are bare of leaves.

[7] "Artificial barricade" means an artificial mound or riveted wall of earth of a minimum thickness of 3 feet (914.4 mm).

[8] "Barricaded" means the effective screening of a building containing explosive materials from the magazine or other building, railway or highway by a natural

[9] "Inhabited building" means a building regularly occupied in whole or part as a habitation for human beings, or any church, schoolhouse, railroad station, store, or other structure where people are accustomed to assemble, except any building or structure occupied in connection with the manufacture, transportation, storage, or use of explosive materials.

[10] "Railway" means any steam, electric, or other railroad or railway that carries passengers for hire.

[11] "Highway" means any public street, public alley, or public road.

[12] When two or more storage magazines are located on the same property, each magazine must comply with the minimum distances specified from inhabited buildings, railways, and highways, and in addition, they should be separated from each other by not less than the distances shown for "Separation of Magazines", except that the quantity of explosive materials contained in detonator magazines shall govern in regard to the spacing of said detonator magazines from magazines containing other explosive materials. If any two or more magazines are separated from each other by less than the specified "Separation of Magazines" distances, then such two or more magazines, as a group, must be considered as one magazine, and the total quantity of explosive materials stored in such group must be treated as if stored in a single magazine located on the site of any magazine of the group and must comply with the minimum of distances specified from other magazines, inhabited buildings, railways, and highways.

[13] Storage in excess of 300,000 pounds (136,077.6 kg) of explosive materials in one magazine is generally not required for commercial enterprises.

[14] This table applies only to the manufacture and permanent storage of commercial explosive materials. It is not applicable to transportation of explosives or any handling or temporary storage necessary or incidental thereto. It is not intended to apply to bombs, projectiles, or other heavily encased explosives.

[15] When a manufacturing building on an explosive materials plant site is designed to contain explosive materials, such building shall be located from inhabited buildings, public highways, and passenger railways in accordance with Table A-VI-F-5 based on the maximum quantity of explosive materials permitted to be in the building at one time.

NOTE: The American Table of Distances (Table A-VI-F-5) is reprinted by permission of the Institute of Makers of Explosives with the provision that the entire table, complete with all explanatory footnotes, be printed.

TABLE A-VI-F-6 - TABLE OF RECOMMENDED SEPARATION DISTANCES OF AMMONIUM NITRATE AND BLASTING AGENTS FROM EXPLOSIVES OR BLASTING AGENTS[1 6]

DONOR WEIGHT		MINIMUM SEPARATION DISTANCE OF ACCEPTOR WHEN BARRICADED[2] (feet)		MINIMUM THICKNESS OF ARTIFICIAL BARRICADES[5] (inches)
Pounds Over	Pounds Not Over	X 304.8 Per mm		
X 0.484 Per kg		Ammonium Nitrate[3]	Blasting Agent[4]	X 25.4 Per mm
	100	3	11	12
100	300	4	14	12
300	600	5	18	12
600	1,000	6	22	12
1,000	1,600	7	25	12
1,600	2,000	8	29	12
2,000	3,000	9	32	15
3,000	4,000	10	36	15
4,000	6,000	11	40	15
6,000	8,000	12	42	20
8,000	10,000	13	47	20
10,000	12,000	14	50	20
12,000	16,000	15	54	25
16,000	20,000	16	58	25
20,000	25,000	18	65	25
25,000	30,000	19	68	30

30,000	35,000	20	72	30
35,000	40,000	21	76	30
40,000	45,000	22	79	35
45,000	50,000	23	83	35
50,000	55,000	24	86	35
55,000	60,000	25	90	35
60,000	70,000	26	94	40
70,000	80,000	28	101	40
80,000	90,000	30	108	40
90,000	100,000	32	115	40
100,000	120,000	34	122	50
120,000	140,000	37	133	50
140,000	160,000	40	144	50
160,000	180,000	44	158	50
180,000	200,000	48	173	50
200,000	220,000	52	187	60
220,000	250,000	56	202	60
250,000	275,000	60	216	60
275,000	300,000	64	230	60

[1] Recommended separation distances to prevent explosion of ammonium nitrate and ammonium nitrate-based agents by propagation from nearby stores of high explosives or blasting agents referred to in Table A-VI-F-6 as the "donor." Ammonium nitrate, by itself, is not considered to be a donor when applying Table A-1 Recommended separation distances to prevent explosion of ammonium nitrate and ammonium nitrate-based agents by propagation from nearby stores of high explosives or blasting agents referred to in Table A-VI-F-6 as the "donor." Ammonium nitrate, by itself, is not considered to be a donor when applying Table A-VI-F-6, Ammonium nitrate, ammonium nitrate-fuel oil, or combination thereof are acceptors. If stores of ammonium nitrate are located within the sympathetic detonation distance of explosives or blasting agents, one-half the mass of the ammonium nitrate should be included in the mass of the donor.

[2] When the ammonium nitrate or blasting agent is not barricaded, the distances shown in Table A-VI-F-6 shall be multiplied by six. These distances allow for the possibility of high velocity metal fragments from mixers, hoppers, truck bodies, sheet metal structures, metal containers, and the like that may enclose the "donor." Where storage is in bullet resistant magazines recommended for explosives or where the storage is protected by a bullet resistant wall, distances and barricade thicknesses in excess of those prescribed in Table A-VI-F-5, Footnote 7, are not required. For construction of bullet resistant magazines, see Article 77.

[3] The distances in Table A-VI-F-6 apply to ammonium nitrate that passes the insensitivity test prescribed in the definition of ammonium nitrate fertilizer promulgated by the Fertilizer Institute (Definitions and Test Procedure for Ammonium Nitrate Fertilizer, Fertilizer Institute 1964); and ammonium nitrate failing to pass said test shall be stored at separation distances determined by competent persons and approved by the authority having jurisdiction.

[4] These distances apply to blasting agents which pass the insensitivity test prescribed in regulations of the United States Department of Transportation and the United States Department of the Treasury, Bureau of Alcohol, Tobacco and Firearms.

[5] Earth, or sand dikes, or enclosures filled with the prescribed minimum thickness of earth or sand are acceptable artificial barricades. Natural barricades, such as hills or timber of sufficient density that the surrounding exposure which requires protection cannot be seen from the "donor" when the trees are bare of leaves, are also acceptable.

[6] For determining the distances to be maintained from inhabited buildings, passenger railways, and public

highways, see Table A-VI-F-5 (High Explosives and Blasting Agents) or Table A-VI-F-7 (Low Explosives).

TABLE A-VI-F-7
TABLE OF DISTANCES FOR STORAGE OF LOW EXPLOSIVES

LOW EXPLOSIVES (pounds) X 0.484 per kg		FROM INHABITED BUILDING DISTANCE (feet)	FROM PUBLIC RAILROAD AND HIGHWAY DISTANCE (feet)	FROM ABOVEGROUND MAGAZINE (feet)
Over	Not Over	× 304.3 per cm		
0	1,000	75	75	60
1,000	5,000	115	115	75
5,000	10,000	130	130	100
10,000	20,000	180	180	125
20,000	30,000	215	215	145
30,000	40,000	235	235	155
40,000	50,000	250	250	165
50,000	60,000	260	260	175
60,000	70,000	270	270	185
70,000	80,000	300	300	190
80,000	90,000	325	325	195
90,000	100,000	350	350	200
100,000	200,000	375	375	250
200,000	300,000	400	400	300

TABLE A-VI-F-8 - DISTANCES FOR THE OPEN BURNING OF EXPLOSIVES[1]

QUANTITY OF EXPLOSIVES[2 3 4 5] (Not Over)	MINIMUM DISTANCE IN FEET × 304.8 Per mm						
	Inhabited Buildings[9]		Public Highways with Traffic Volume of less than 3,000 Vehicles per Day		Passenger Railways and Public Highways with Traffic Volumes more than 3,000 Vehicles per Day[10 11]		Separation From Other Open Burning Units
Pounds X 0.484 Per kg	No Missile Hazard	Missile Hazard Without Barricade[6 7 8]	No Missile Hazard	Missile Hazard Without Barricade	No Missile Hazard	Missile Hazard Without Barricade	
10	90	180	35	70	64	128	8
20	110	220	45	90	81	162	10
50	150	300	60	120	110	220	14
75	170	340	70	140	127	254	15
100	190	380	75	150	139	278	16
250	255	510	105	210	189	378	23
500	320	640	130	260	238	476	29
1,000	400	800	160	320	300	600	36
1,600	470	940	175	350	351	702	43
2,000	505	1,010	185	370	378	756	45
2,500	545	1,090	190	380	408	816	49
3,000	580	1,160	195	390	432	864	52
4,000	635	1,270	210	420	474	948	58
5,000	685	1,370	225	450	513	1,026	61
6,000	730	1,460	235	470	546	1,092	65
7,000	770	1,540	245	490	573	1,146	68

8,000	800	1,600	250	500	600	1,200	72
9,000	835	1,670	255	510	624	1,248	75
10,000	865	1,730	260	520	645	1,290	78

[1] This table is intended only for application of open burning of commercial explosive materials. The distances stated in this table should be measured from the center of the unit, except for separations from other open-burning units, which are measured from the edge of the unit.

[2] "Explosive materials" means any explosive, slurry, emulsion, detonating cord, blasting agents, and detonators.

[3] "Explosives" means any chemical compound, mixture, or device, the primary or common purpose of which is to function by explosion. A list of explosives determined to be within the coverage of 18 U.S.C. Chapter 40, Importation, Manufacture, Distribution and Storage of Explosive Material, is issued at least annually by the director of the Bureau of Alcohol, Tobacco, and Firearms of the Department of the Treasury. For quantity and distance purposes, detonating cord of 50 grains per foot (10.7 g/m) should be calculated as equivalent to 8 pounds (3.6 kg) of high explosives per 1,000 feet (304.8 m). Heavier or lighter core loads should be rated proportionally.

[4] "Blasting agents" means any material or mixture, consisting of fuel and oxidizer, intended for blasting, not otherwise defined as an explosive, provided the finished product, as mixed for use or shipment, cannot be detonated by means of a No. 8 test blasting cap when unconfined.

[5] "Detonator" means any device containing any initiating or primary explosive that is used for initiating detonation. A detonator may not contain more than 10 grams of total explosives by weight, excluding ignition or delay charges. The term includes, but is not limited to, electric blasting caps of instantaneous and delay blasting caps that use detonating cord, shock tube, or any other replacement for electric wires. All types of detonators in strengths through No. 8 cap should be rated at 1 1/2 pounds (0.68 kg) of explosives per 1,000 caps. For strengths higher than No. 8 cap, consult the manufacturer.

[6] "Natural barricade" means natural features of the ground, such as hills, or timber of sufficient density that the surrounding exposures that require protection cannot be seen from the magazine when the trees are bare of leaves.

[7] "Artificial barricade" means an artificial mound or riveted wall of earth of a minimum thickness of 3 feet (914.4 mm).

[8] "Barricaded" means the effective screening of a building containing explosive materials from the magazine or other building, OB/OD site, railway, or highway by a natural or an artificial barrier. A straight line from the top of any sidewall of the building containing explosive materials to the eave line of any magazine or other building or to a point 12 feet (3,657.6 mm) above the center of a railway or highway shall pass through such a barrier.

[9] "Inhabited building" means a building, regularly occupied in whole or part as a habitation for human beings, or any church, schoolhouse, railroad station, store, or other structure where people are accustomed to assemble. This does not mean any office, warehouse, production, laboratory, or other buildings that are a part of the facility where the open burning or open detonation sites are located.

[10] "Highway" means any public street, public alley, or public road.

[11] "Railway" means any steam, electric, or other railroad or railway that carries passengers for hire.

TABLE A-VI-F-9 - DISTANCES FOR THE OPEN DETONATION OF EXPLOSIVES[1]

QUANTITY OF EXPLOSIVES[2 3 4 5] (Not Over)	MINIMUM DISTANCE IN FEET X 304.8 Per mm			
	Inhabited Buildings[9]	Public Highways with Traffic Volume of less than 3,000 Vehicles per	Passenger Railways and Public Highways with Traffic Volumes more	Separation From Other Open Detonation Units

			Day		than 3,000 Vehicles per Day[10 11]			
Pounds	No Missile Hazard	Missile Hazard Without Barricade[6 7 8]	No Missile Hazard	Missile Hazard Without Barricade[6 7 8]	No Missile Hazard	Missile Hazard Without Barricade[6 7 8]	No Missile Hazard	Missile Hazard Without Barricade[6 7 8]
1	730	730	325	325	480	480	6	12
2	920	920	410	410	600	600	6	12
5	1,250	1,250	550	550	820	820	6	12
10	1,600	1,600	695	695	1,030	1,030	8	16
20	1,990	1,990	875	875	1,295	1,295	10	20
50	2,700	2,700	1,190	1,190	1,760	1,760	14	28
75	3,080	3,080	1,360	1,360	2,015	2,015	15	30
100	3,400	3,400	1,500	1,500	2,220	2,220	16	32
150	3,900	3,900	1,715	1,715	2,535	2,535	19	38
200	4,275	4,275	1,890	1,890	2,795	2,795	21	42
300	4,900	4,900	2,160	2,160	3,200	3,200	24	48
400	5,400	5,400	2,380	2,380	3,520	3,520	27	54
500	5,800	5,800	2,560	2,560	3,790	3,790	29	58

[1] This table is intended only for application of open burning of commercial explosive materials. The distances stated in this table should be measured from the center of the unit, except for separations from other open-burning units, which are measured from the edge of the unit.

[2] "Explosive materials" means any explosive, slurry, emulsion, detonating cord, blasting agents, and detonators.

[3] "Explosives" means any chemical compound, mixture or device, the primary or common purpose of which is to function by explosion. A list of explosives determined to be within the coverage of 18 U.S.C. Chapter 40, Importation, Manufacture, Distribution and Storage of Explosive Material, is issued at least annually by the director of the Bureau of Alcohol, Tobacco, and Firearms of the Department of the Treasury. For quantity and distance purposes, detonating cord of 50 grains per foot (10.7 g/m) should be calculated as equivalent to 8 pounds (3.6 kg) of high explosives per 1,000 feet (304.8 m). Heavier or lighter core loads should be rated proportionally.

[4] "Blasting agents" means any material or mixture, consisting of fuel and oxidizer, intended for blasting, not otherwise defined as an explosive, provided the finished product, as mixed for use or shipment, cannot be detonated by means of a No. 8 test blasting cap when unconfined.

[5] "Detonator" means any device containing any initiating or primary explosive that is used for initiating detonation. A detonator may not contain more than 10 grams of total explosives by weight, excluding ignition or delay charges. The term includes, but is not limited to, electric blasting caps of instantaneous and delay blasting caps that use detonating cord, shock tube, or any other replacement for electric wires. All types of detonators in strengths through No. 8 cap should be rated at 1 1/2 pounds (0.68 kg) of explosives per 1,000 caps. For strengths higher than No. 8 cap, consult the manufacturer.

[6] "Natural barricade" means natural features of the ground, such as hills, or timber of sufficient density that the surrounding exposures that require protection cannot be seen from the magazine when the trees are bare of leaves.

[7] "Artificial barricade" means an artificial mound or riveted wall of earth of a minimum thickness of 3 feet (914.4 mm).

[8] "Barricaded" means the effective screening of a building containing explosive materials from the magazine or other building, OB/OD site, railway, or highway by a natural or an artificial barrier. A straight line from the top of any sidewall of the building containing explosive materials to the eave line of any magazine or other building or to a point 12 feet (3,657.6 mm) above the center of a railway or highway shall pass through such a barrier.

[9] "Inhabited building" means a building, regularly occupied in whole or part as a habitation for human beings, or any church, schoolhouse, railroad station, store, or other structure where people are accustomed to assemble. This does not mean any office, warehouse, production, laboratory, or other buildings that are a part of the facility where the open burning or open detonation sites are located.

[10] "Highway" means any public street, public alley, or public road.

[11] "Railway" means any steam, electric, or other railroad or railway that carries passengers for hire.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.5-51)

SECTION 2. 675 IAC 22-2.4 IS REPEALED.

SECTION 3. SECTIONS 1 and 2 of this document take effect December 1, 2014.

Notice of Public Hearing

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