

## ARTICLE 25. FUEL GAS CODE

### Rule 1. Indiana Fuel Gas Code, 2003 Edition

#### 675 IAC 25-1-1 Adoption by reference; title; availability; scope; purpose

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 1. (a) That certain document being titled the 2000 International Fuel Gas Code, fifth printing, published by the International Code Council, 5203 Leesburg Pike, Suite 708, Falls Church, Virginia 22041-3401, is hereby adopted by reference as if fully set out in this rule save and except those revisions made in this rule.

(b) This rule is available for review and reference at the Fire and Building Services Department, Indiana Government Center-South, 402 West Washington Street, Room W246, Indianapolis, Indiana 46204. (*Fire Prevention and Building Safety Commission; 675 IAC 25-1-1; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3032*)

#### 675 IAC 25-1-2 Chapter 1; administration

Authority: IC 22-13-2-2

Affected: IC 4-21.5; IC 4-22-7-7; IC 22-12-7; IC 22-13-2-7; IC 22-13-5; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 2. Delete Chapter 1 and substitute to read as follows:

#### Section 101 Application

##### 101.1 Title

This rule shall be known as the Indiana Fuel Gas Code, 2003 edition and shall be published, except incorporated documents, by the fire and building services department, for general distribution and use under that title. Wherever the term “this code” is used throughout this rule, it shall mean the Indiana Fuel Gas Code, 2003 edition.

##### 101.2 Scope

This code shall apply to the installation of fuel gas piping systems, fuel gas utilization equipment, and related accessories as follows:

1. Coverage of piping systems shall extend from the point of delivery to the connections with gas utilization equipment. (See “point of delivery.”)

2. Systems with an operating pressure of one hundred twenty-five (125) psig (eight hundred sixty-two (862) kPa gauge) or less.

Piping systems for gas-air mixtures within the flammable range with an operating pressure of ten (10) psig (sixty-nine (69) kPa gauge).

LP-Gas piping systems with an operating pressure of twenty (20) psig (one hundred forty (140) kPa gauge) or less.

3. Piping systems requirements shall include design, materials, components, fabrication, assembly, installation, testing, inspection, operation, and maintenance.

4. Requirements for gas utilization equipment and related accessories shall include installation, combustion, and ventilation air and venting.

This code shall not apply to the following:

1. Portable LP-Gas equipment of all types that are not connected to a fixed fuel piping system.

2. Installation of farm equipment such as brooders, dehydrators, dryers, and irrigation equipment.

3. Raw material (feedstock) applications except for piping to special atmosphere generators.

4. Oxygen-fuel gas cutting and welding systems.

5. Industrial gas applications using gases, such as acetylene and acetylenic compounds, hydrogen, ammonia, carbon monoxide, oxygen, and nitrogen.

6. Petroleum refineries, pipeline compressor or pumping stations, loading terminals, compounding plants, refinery tank farms, and natural gas processing plants.

7. Integrated chemical plants or portions of such plants where flammable or combustible liquids or gases are produced by chemical reactions or used in chemical reactions.

8. LP-Gas installations.

9. Liquefied natural gas (LNG) installations.

10. Fuel gas piping in power and atomic energy plants.

11. Proprietary items of equipment, apparatus, or instruments such as gas generating sets, compressors, and calorimeters.
12. LP-Gas equipment for vaporization, gas mixing, and gas manufacturing.
13. Temporary LP-Gas piping for buildings under construction or renovation that is not to become part of the permanent piping system.
14. Installation of LP-Gas systems for railroad switch heating.
15. Installation of LP-Gas and compressed natural gas (CCNG) systems on vehicles.
16. Except as provided in Section 401.1.1, gas piping, meters, gas pressure regulators, and other appurtenances used by the serving gas supplier in the distribution of gas, other than undiluted LP-Gas.
17. Building design and construction, except as specified herein.

#### 101.3 Appendices and Standards

Provisions in the appendices are not enforceable unless specifically adopted.

The codes and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between provisions of this code and referenced codes and standards, the provisions of this code shall apply.

EXCEPTION: Where enforcement of a code provision would violate the conditions of the listing, labeling, or manufacturer's installation instructions of the equipment or appliance, the conditions of the listing, labeling, or manufacturer's instructions shall apply.

#### 101.4 Appeals and Interpretations

Appeals from orders issued by the Fire Prevention and Building Safety Commission, the Office of the State Building Commissioner, or the Office of the State Fire Marshal are governed by IC 4-21.5 and IC 22-12-7. Appeals from orders by a local unit of government are governed by IC 22-13-2-7 and local ordinance. Upon the written request of an interested person who has a dispute with a county or municipal government concerning a building rule, the Office of the State Building Commissioner may issue a written interpretation of a building law. The written interpretation as issued under IC 22-13-5 binds the interested person and the county or municipality with whom the interested person has the dispute until overruled in a proceeding under IC 4-21.5. A written interpretation of a building law binds all counties and municipalities if the office of the state building commissioner publishes the written interpretation of the building law in the Indiana Register under IC 4-22-7-7(b).

#### 101.5 Plans

Plans shall be submitted for Class 1 structures as required by the General Administrative Rules (675 IAC 12) and the Industrialized Building Systems (675 IAC 15).

#### 101.6 Existing Construction

For existing Class 1 structures, see the General Administrative Rules (675 IAC 12) and local ordinance.

#### 101.7 Additions and Alterations

Additions and alterations to any Class 1 structure shall conform to that required of a new structure without requiring the existing structure to comply with all the requirements of this code. Additions or alterations shall not cause an existing structure to become unsafe (See the General Administrative Rules (675 IAC 12-4)).

#### 101.8 Alternate Materials, Methods, and Equipment

Alternate materials, methods, equipment, and design shall be as required by the General Administrative Rules (675 IAC 12-6-11) and the rules for Industrialized Building Systems (675 IAC 15). (*Fire Prevention and Building Safety Commission; 675 IAC 25-1-2; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3033*)

### **675 IAC 25-1-3 Chapter 2; definitions**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14-2-10; IC 22-15-2-7; IC 25-4; IC 25-31; IC 36-7-2-9; IC 36-8-17-9

Sec. 3. (a) Change the following definitions in Chapter 2 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:

- (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.

CODE OFFICIAL. The office of the state building commissioner as authorized under IC 22-15-2-7; the office of the state fire marshal as authorized under IC 22-14-2-10; the local building official as authorized under IC 36-7-2-9 and local ordinance; the fire department as authorized under IC 36-8-17-9.

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).

LABELED. Equipment, devices, appliances, 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 or production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED. Equipment, appliances, devices, 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.

(b) Add the following definitions in Chapter 2 to read as follows:

ICC ELECTRICAL CODE. Refers to the Indiana Electrical Code (675 IAC 17).

INTERNATIONAL CODES. Refers to the rules of the Fire Prevention and Building Safety Commission (675 IAC).

INTERNATIONAL BUILDING CODE refers to the INDIANA BUILDING CODE (675 IAC 13).

INTERNATIONAL FIRE CODE refers to the INDIANA FIRE CODE (675 IAC 22).

INTERNATIONAL MECHANICAL CODE refers to the INDIANA MECHANICAL CODE (675 IAC 18).

INTERNATIONAL FUEL GAS CODE refers to the INDIANA FUEL GAS CODE (675 IAC 25).

INTERNATIONAL ENERGY CONSERVATION CODE refers to the INDIANA ENERGY CONSERVATION CODE (675 IAC 19).

INTERNATIONAL PLUMBING CODE refers to the INDIANA PLUMBING CODE (675 IAC 16).

INTERNATIONAL RESIDENTIAL CODE refers to the INDIANA RESIDENTIAL CODE (675 IAC 14).

NFPA 51 refers to 675 IAC 22-2.2-10.

NFPA 58 refers to 675 IAC 22-2.2-14.

REGISTERED DESIGN PROFESSIONAL. An architect who is registered under IC 25-4 or professional engineer who is 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.

*(Fire Prevention and Building Safety Commission; 675 IAC 25-1-3; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3034; errata filed Sep 17, 2004, 2:28 p.m.: 28 IR 1696)*

**675 IAC 25-1-4 Section 301.3; listed and labeled**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 4. Change Section 301.3 Listed and labeled to read as follows: Appliances regulated by this code shall be listed and labeled unless otherwise approved. *(Fire Prevention and Building Safety Commission; 675 IAC 25-1-4; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3035)*

**675 IAC 25-1-5 Sections 301.4, 301.4.1, 301.4.2, 301.4.2.1, 301.4.2.2, and 301.4.2.3; labeling, testing, inspection and identification, equipment, and personnel**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 5. Delete Sections 301.4 through 301.4.2.3 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 25-1-5; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3035)*

**675 IAC 25-1-6 Section 305.1; general**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 6. Change Section 305.1 by deleting from the last line “and the requirements determined by the code official” and inserting “or other approved methods”. (*Fire Prevention and Building Safety Commission; 675 IAC 25-1-6; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3035*)

**675 IAC 25-1-7 Section 305.3; public garages**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 7. Amend Section 305.3, in the exception, by deleting “and NFPA 88B”. (*Fire Prevention and Building Safety Commission; 675 IAC 25-1-7; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3035*)

**675 IAC 25-1-7.2 Table 308.2**

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

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 7.2. In Table 308.2, delete “0.024” and insert “0.024 inch (24 gage)” in the left column in item numbers 3, 5, 7, and 8. (*Fire Prevention and Building Safety Commission; 675 IAC 25-1-7.2; filed Aug 29, 2005, 9:45 a.m.: 29 IR 12*)

**675 IAC 25-1-7.4 Figure 308.2(3)**

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

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 7.4. Change the title of Figure 308.2(3) to read: “Masonry clearance reduction system”. (*Fire Prevention and Building Safety Commission; 675 IAC 25-1-7.4; filed Aug 29, 2005, 9:45 a.m.: 29 IR 12*)

**675 IAC 25-1-7.6 Section 403.11; plastic piping, joints, and fittings**

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

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 7.6. In Section 403.11, Plastic piping, joints and fittings, change the third sentence in item number 3 to read: “The stiffener shall be flush with the end of the pipe or tubing and shall extend at least to the outside end of the compression fitting when installed.”. (*Fire Prevention and Building Safety Commission; 675 IAC 25-1-7.6; filed Aug 29, 2005, 9:45 a.m.: 29 IR 12*)

**675 IAC 25-1-8 Section 412; liquefied petroleum gas motor vehicle fuel-dispensing station**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 8. In Section 412 Liquefied petroleum gas motor vehicle fuel-dispensing station, delete the entire text and insert “See the Indiana Fire Code (675 IAC 22)”. (*Fire Prevention and Building Safety Commission; 675 IAC 25-1-8; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3035*)

**675 IAC 25-1-9 Section 413; compressed natural gas motor vehicle fuel-dispensing stations**

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 9. In Section 413 Compressed natural gas motor vehicle fuel-dispensing stations, delete the entire text and insert “See the Indiana Fire Code (675 IAC 22)”. (*Fire Prevention and Building Safety Commission; 675 IAC 25-1-9; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3035*)

**675 IAC 25-1-9.1 Section 503.5.3; masonry chimneys**

Authority: IC 22-13-2-2; IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 9.1. In Section 503.5.3, masonry chimneys, change, in the last sentence (after exception), the referenced section number to 503.6.5. *(Fire Prevention and Building Safety Commission; 675 IAC 25-1-9.1; filed Aug 29, 2005, 9:45 a.m.: 29 IR 12)*

**675 IAC 25-1-9.3 Table/Figure 503.6.6**

Authority: IC 22-13-2-2; IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 9.3. In the second row of Table/Figure 503.6.6, before 6/12 to 7/12, insert “over”. *(Fire Prevention and Building Safety Commission; 675 IAC 25-1-9.3; filed Aug 29, 2005, 9:45 a.m.: 29 IR 12)*

**675 IAC 25-1-9.5 Section 503.6.9.1; Category I appliances**

Authority: IC 22-13-2-2; IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 9.5. In Section 503.6.9.1, Category I appliances, in Exception number 2, in the fifth line, delete “outlets” and insert “outlet” and, in the sixth line, delete “smallest” and insert “smaller”. *(Fire Prevention and Building Safety Commission; 675 IAC 25-1-9.5; filed Aug 29, 2005, 9:45 a.m.: 29 IR 12)*

**675 IAC 25-1-9.7 Section 503.7.5; roof penetrations**

Authority: IC 22-13-2-2; IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 9.7. In the third line of Section 503.7.5, Roof penetrations, delete “jacket” and insert “jack”. *(Fire Prevention and Building Safety Commission; 675 IAC 25-1-9.7; filed Aug 29, 2005, 9:45 a.m.: 29 IR 12)*

**675 IAC 25-1-9.9 Section 504.2.9; chimney and vent locations**

Authority: IC 22-13-2-2; IC 22-13-2-13  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 9.9. In Section 504.2.9, Chimney and vent locations, change, in item 4, the second line to read: given by Table 504.2(3). *(Fire Prevention and Building Safety Commission; 675 IAC 25-1-9.9; filed Aug 29, 2005, 9:45 a.m.: 29 IR 12)*

**675 IAC 25-1-10 Chapter 7 Reference Standards**

Authority: IC 22-13-2-2  
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 10. In Chapter 7 Reference Standards, amend the last sentence of the first paragraph to read as follows: “The application of the reference standards shall be as specified in Section 101.3”. *(Fire Prevention and Building Safety Commission; 675 IAC 25-1-10; filed Apr 21, 2003, 8:50 a.m.: 26 IR 3035)*

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