Georgia State Amendments to the International Fuel Gas Code

(2018 Edition)

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GEORGIA STATE MINIMUM STANDARD GAS CODE
(INTERNATIONAL FUEL GAS CODE WITH GEORGIA STATE AMENDMENTS)

The INTERNATIONAL FUEL GAS CODE, 2018 Edition, published by the International Code Council, when used in conjunction with these and any other Georgia State Amendments to the INTERNATIONAL FUEL GAS CODE, 2018 Edition, shall constitute the official *Georgia State Minimum Standard Gas Code*.

GEORGIA STATE AMENDMENTS

CODE REFERENCE:

(a) Replace all references to the ICC *Electrical Code* with references to the *Georgia State Minimum Standard Electrical Code* (*National Electrical Code with Georgia State Amendments*).

Revise the International Fuel Gas Code, 2018 Edition, to read as follows:

CHAPTER 1
SCOPE AND ADMINISTRATION

*Delete Chapter 1 'Scope and Administration' without substitution. Chapter 1 to remain in the Code as a reference and guide for local governments to use in development of their own *Administrative Procedures*.
(Effective January 1, 2020)

CHAPTER 2
DEFINITIONS

SECTION 202 (IFGC)
GENERAL DEFINITIONS

*Delete the following definitions from Section 202 'General Definitions' without substitution:

[P] THIRD-PARTY CERTIFICATION AGENCY.
[P] THIRD-PARTY CERTIFIED.
[P] THIRD-PARTY TESTED.
(Effective January 1, 2020)

*Revise Section 202 'General Definitions' **POINT OF DELIVERY** to read as follows:

POINT OF DELIVERY. For natural gas systems, the point of delivery is the outlet of the service meter assembly or the outlet of the service regulator or service shutoff valve where a meter is not provided. Where a system shutoff valve is provided at the outlet of the service meter assembly, such valve shall be considered to be downstream of the point of delivery. For undiluted liquefied petroleum gas systems, the point of delivery shall be considered to be the outlet of the service pressure regulator, exclusive of line gas regulators, in the system.
(Effective January 1, 2020)

*Revise Section 202 ‘General Definitions’ to add new definition **SERVICE METER ASSEMBLY** to read as follows:

SERVICE METER ASSEMBLY. The meter, valve, regulator, piping, fittings and equipment installed by the service gas supplier before the point of delivery.
(Effective January 1, 2020)

*Revise Section 202 ‘General Definitions’ to add new definition **System Shutoff** to the **VALVE** section to read as follows:

System shutoff. A valve installed at the point of delivery to shut off the entire piping system.
(Effective January 1, 2020)

CHAPTER 3
GENERAL REGULATIONS

*Add new Section 300 (IFGC) ‘GENERAL APPLICABILITY STANDARDS’ to read as follows:

SECTION 300 (IFGC)
GENERAL APPLICABILITY STANDARDS

300.1 Scope. This code shall apply to the installation of fuel-gas *piping* systems, fuel gas appliances, gaseous hydrogen systems and related accessories in accordance with Sections 300.1.1 through 300.1.5.

Exception: Detached one- and two-family dwellings and townhouses separated by a 2-hour fire-resistance-rated wall assembly, not more than three stories above *grade plane* in height with a separate means of egress and their accessory structures shall comply with the *Georgia State Minimum Standard One and Two Family Dwelling Code* (*International Residential Code for One- and Two- Family Dwellings with Georgia State Amendments*)

300.1.1 Gaseous hydrogen systems. Gaseous hydrogen systems shall be regulated by Chapter 7.

300.1.2 Piping systems. These regulations cover *piping* systems for natural gas with an operating pressure of 125 pounds per square inch gauge (psig) (862 kPa gauge) or less, and for LP-gas with an operating pressure of 20 psig (140 kPa gauge) or less, except as provided in Section 402.7. Coverage shall extend from the *point of delivery* to the outlet of the *appliance* shutoff valves. *Piping* system requirements shall include design, materials, components, fabrication, assembly, installation, testing, inspection, operation and maintenance.

300.1.3 Gas appliances. Requirements for gas appliances and related accessories shall include installation, combustion and ventilation air and venting and connections to *piping* systems.

300.1.4 Systems, appliances and equipment outside the scope. This code shall not apply to the following:

1. Portable LP-gas appliances and *equipment* of all types that is not connected to a fixed fuel *piping* system.
2. Installation of farm appliances and *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, or used in, chemical reactions.
8. LP-gas installations at utility gas plants.
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 hydrogen gas, LP-gas and compressed natural gas (CNG) 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.
18. *Piping* systems for mixtures of gas and air within the flammable range with an operating pressure greater than 10 psig (69 kPa gauge).
19. Portable fuel cell appliances that are neither connected to a fixed *piping* system nor interconnected to a power grid.

300.1.5 Other fuels. The requirements for the design, installation, maintenance, *alteration* and inspection of mechanical systems operating with fuels other than fuel gas shall be regulated by the *International Mechanical Code*.

300.2 Appendices. Appendices are not enforceable unless they are specifically referenced in the body of the code or adopted by the Department of Community Affairs or the Authority Having Jurisdiction.

300.3 Intent. The purpose of this code is to provide minimum standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of fuel gas systems.

300.4 Severability. If a section, subsection, sentence, clause or phrase of this code is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this code.
(Effective January 1, 2020)

CHAPTER 4
GAS PIPING INSTALLATIONS

SECTION 404 (IFGC)
PIPING SYSTEM INSTALLATION

*Delete Section 404.6 ‘Underground penetrations prohibited’ and substitute to read as follows:

404.6 Piping through foundation wall. Underground piping where installed below grade through the foundation or basement wall of a building, shall be encased in a protective pipe sleeve. The annular space between the gas piping and the sleeve shall be sealed.
(Effective January 1, 2020)

*Revise Section 404.7.1 ‘Piping through holes or notches’ to read as follows:

404.7.1 Piping through holes or notches. Where piping is installed through holes or notches in framing members and the piping is located less than 11/2 inches (38 mm) from the framing member face to which wall, ceiling or floor membranes will be attached, the pipe shall be protected by shield plates that cover the width of the pipe and the framing member. Where the framing member that the piping passes through is a bottom plate, bottom track, top plate or top track, the shield plates shall cover the framing member and extend not less than 4 inches (102 mm) above the bottom framing member and not less than 4 inches (102 mm) below the top framing member.
(Effective January 1, 2020)

*Delete Section 404.7.2 ‘Piping installed in other locations’ without substitution.
(Effective January 1, 2020)

*Delete Section 404.11.1 ‘Galvanizing’ without substitution.
(Effective January 1, 2020)

*Revise Section 404.18 ‘Pipe cleaning’ to read as follows:

404.18 Pipe debris removal. The interior of piping shall be clear of debris. The use of a flammable or combustible gas to clean or remove debris from a piping system shall be prohibited.
(Effective January 1, 2020)

SECTION 406 (IFGS)
INSPECTION, TESTING AND PURGING

*Revise Section 406.6.2 ‘Before turning gas on’ heading to read as follows:

406.6.2 Turning gas on. (Remainder of section unchanged)
(Effective January 1, 2020)

SECTION 412 (IFGC)
LIQUEFIED PETROLEUM GAS MOTOR VEHICLE FUEL-DISPENSING FACILITIES

*Delete Section 412 'LIQUIFIED PETROLEUM GAS MOTOR VEHICLE FUEL-DISPENSING FACILITIES' and substitute to read as follows:

412.1 General. Under Georgia law, the Rules and Regulations of the Georgia Safety Fire Commissioner's Office govern the storage, delivery and dispensing of Liquefied Petroleum Gas. Refer to the Rules and Regulations of the Georgia Safety Fire Commissioner's Office and NFPA 58 as adopted and amended for all requirements concerning liquefied petroleum gas motor vehicle fuel-dispensing facilities.
(Effective January 1, 2020)

SECTION 413 (IFGC)
COMPRESSED NATURAL GAS MOTOR VEHICLE FUEL-DISPENSING FACILITIES

*Delete Section 413 'COMPRESSED NATURAL GAS MOTOR VEHICLE FUEL-DISPENSING FACILITIES' and substitute to read as follows:

413.1 General. Under Georgia law, the Rules and Regulations of the Georgia Safety Fire Commissioner govern the storage, delivery and dispensing of compressed natural gas. Refer to the Rules and Regulations of the Georgia Safety Fire Commissioner and NFPA 52 as adopted and amended for all requirements concerning compressed natural gas motor vehicle fuel-dispensing stations.
(Effective January 1, 2020)

CHAPTER 6
SPECIFIC APPLIANCES

SECTION 624 (IFGC)
WATER HEATERS

*Add new Section 624.3 'Boilers/water heaters' to read as follows:

624.3 Boilers/water heaters. The State's minimum requirements for boilers/water heaters and pressure vessels over 200,000 BTU/h (58.61 kW), 210 degrees Fahrenheit or 120 gallons capacity shall be established by O.C.G.A. Title 25, Chapter 15 and the Rules and Regulations as amended and adopted of the Georgia Safety Fire Commissioner.
(Effective January 1, 2020)

SECTION 631 (IFGC)
BOILERS

*Add new Section 631.4 'Additional regulations' to read as follows:

631.4 Additional regulations. For additional regulations regarding boilers/water heaters, see Section 624.3 (GA Amendments).
(Effective January 1, 2020)

CHAPTER 8 (IFGC/IFGS)
REFERENCED STANDARDS

*Revise reference standard as follows:

ANSI

Standard Reference Number	Title	Referenced in code section number
LC 1/CSA 6.26--2018	Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)	403.5.5

(Effective January 1, 2020)

End of Amendments.

Authority: O.C.G.A. § 8-2-20 et seq.