

Technical Regulations TR CU 016/2011

In accordance with Article 13 of the Agreement on Uniform Principles and Rules for Technical Regulation in the Republic of Belarus, the Republic of Kazakhstan and the Russian Federation dated 18 November 2010, the Customs Union Commission (hereinafter referred to as the Commission) **decided:**

1. To adopt the Customs Union Technical Regulation “On the Safety of Appliances Operating on Gaseous Fuel” (TR CU 016/2011) (attached).
2. To approve:
 - 2.1. the List of Standards, as a result of the application of which, on a voluntary basis, compliance with the requirements of the Customs Union Technical Regulation “On the Safety of Appliances Operating on Gaseous Fuel” (TR CU 016/2011) is ensured (attached);
 - 2.2. the List of Standards containing rules and methods for investigations (tests) and measurements, including sampling rules, required for the application and fulfilment of the requirements of the Customs Union Technical Regulation “On the Safety of Appliances Operating on Gaseous Fuel” (TR CU 016/2011) and for conformity assessment (conformity confirmation) of products (attached).
3. To establish that:
 - 3.1. The Customs Union Technical Regulation “On the Safety of Appliances Operating on Gaseous Fuel” (hereinafter referred to as the Technical Regulation) shall enter into force on 15 February 2013;
 - 3.2. Documents on conformity assessment (conformity confirmation) with the mandatory requirements established by regulatory legal acts of the Customs Union or by the legislation of a Customs Union Member State, issued or adopted in respect of products constituting an object of technical regulation of the Technical Regulation (hereinafter referred to as products) before the date of entry into force of the Technical Regulation, shall

remain valid until the expiry of their validity period, but no later than 15 March 2015. The said documents issued or adopted before the date of official publication of this Decision shall remain valid until the expiry of their validity period.

From the date of entry into force of the Technical Regulation, the issuance or adoption of documents on conformity assessment (conformity confirmation) of products with the mandatory requirements previously established by regulatory legal acts of the Customs Union or by the legislation of a Customs Union Member State shall not be permitted;

3.3. Until 15 March 2015, the manufacture and placing on the market of products in accordance with the mandatory requirements previously established by regulatory legal acts of the Customs Union or by the legislation of a Customs Union Member State shall be permitted, provided that documents on conformity assessment (conformity confirmation) of the products with the specified mandatory requirements were issued or adopted before the date of entry into force of the Technical Regulation.

The said products shall bear the national conformity mark (market circulation mark) in accordance with the legislation of a Customs Union Member State or with Decision No. 386 of the Commission dated 20 September 2010.

Marking such products with the single mark of product circulation on the market of the Customs Union Member States shall not be permitted;

3.3¹. Until 15 November 2013, the manufacture and placing on the market in the customs territory of the Customs Union of products that, before the date of entry into force of the Technical Regulation, were not subject to mandatory conformity assessment (conformity confirmation) with the mandatory requirements established by regulatory legal acts of the Customs Union or by the legislation of a Customs Union Member State shall be permitted without documents on mandatory conformity assessment (conformity confirmation) and without the national conformity mark (market circulation mark);

3.4. The circulation of products placed on the market during the validity

period of the conformity assessment (conformity confirmation) documents specified in subparagraph 3.2 of this Decision, as well as of the products specified in subparagraph 3.3¹ of this Decision, shall be permitted during the service life of the products established in accordance with the legislation of a Customs Union Member State.

Note. Paragraph 3 as amended by Decision No. 251 of the Board of the Eurasian Economic Commission dated 04.12.2012 (enters into force upon the expiry of 30 calendar days from the date of its official publication).

4. The Secretariat of the Commission, jointly with the Parties, shall prepare a draft Action Plan required for the implementation of the Technical Regulation and, within 3 months from the date of entry into force of this Decision, ensure its submission to the Commission for approval in accordance with the established procedure.

5. The Russian Party, with the participation of the Parties, shall, based on monitoring the results of the application of the standards, ensure the preparation of proposals for updating the lists of standards specified in paragraph 2 of this Decision and their submission at least once a year from the date of entry into force of the Technical Regulation to the Secretariat of the Commission for approval by the Commission in accordance with the established procedure.

6. The Parties shall:

6.1. Before the date of entry into force of the Technical Regulation, determine the state control (supervision) bodies responsible for exercising state control (supervision) over compliance with the requirements of the Technical Regulation and inform the Commission thereof;

6.2. From the date of entry into force of the Technical Regulation, ensure state control (supervision) over compliance with the requirements of the Technical Regulation, taking into account subparagraphs 3.2 – 3.4 of this Decision.

7. This Decision shall enter into force on the date of its official publication.

Members of the Customs Union Commission:

<i>From the Republic of Belarus</i>	<i>From the Republic of Kazakhstan</i>	<i>From the Russian Federation</i>
<i>S. Rumas</i>	<i>U. Shukeyev</i>	<i>I. Shuvalov</i>

APPROVED

by Decision of the Commission
of the Customs Union
dated 9 December 2011 No. 875

TECHNICAL REGULATION OF THE CUSTOMS UNION TR CU 016/2011

On the Safety of Appliances Operating on Gaseous Fuel

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TR CU 016/2011

Foreword

1. This Technical Regulation has been developed in accordance with the Agreement on Uniform Principles and Rules for Technical Regulation in the Republic of Belarus, the Republic of Kazakhstan and the Russian Federation dated 18 November 2010.
2. This Technical Regulation establishes, in the single customs territory of the Customs Union, uniform mandatory requirements for application and fulfilment applicable to appliances operating on gaseous fuel (hereinafter referred to as gas-using equipment), in order to ensure the free movement of gas-using equipment placed on the market in the single customs territory of the Customs Union.
3. If other Customs Union Technical Regulations establishing requirements for gas-using equipment that differ from the requirements of this Technical Regulation are adopted with respect to gas-using equipment, the gas-using equipment shall comply with the requirements of those Customs Union Technical Regulations whose scope applies to it.

Article 1. Scope of Application

1. This Technical Regulation applies to gas-using equipment placed on the market in the single customs territory of the Customs Union.
2. In this Technical Regulation, gas-using equipment means:
 - a) equipment intended for cooking, heating and hot-water supply, including equipment forming part of combined appliances;
 - b) monobloc automatic burners and gas-using equipment with monobloc automatic burners specified in subparagraph “a” of this paragraph;
 - c) devices intended for incorporation into equipment and circulating

separately from the equipment specified in subparagraphs “a” and “b” of this paragraph, including control, regulating and safety devices.

3. The requirements of this Technical Regulation apply to gas-using equipment specified in the List in accordance with Annex 1.

4. This Technical Regulation does not apply to the following types of gas-using equipment:

a) steam boilers with a steam pressure exceeding 0,07 MPa and hot-water boilers with a water temperature exceeding 115 °C;

b) equipment intended for use in technological processes at industrial enterprises, except for gas-using equipment included in the List provided in Annex 1;

c) equipment using gas as motor fuel.

5. The essential characteristics describing gas-using equipment are:

a) the name, model (type) and intended use of the gas-using equipment;

b) the type and rated pressure of the gas used;

c) rated heat input;

d) voltage and frequency of the electric current (for gas-using equipment connected to the electrical mains).

6. Identification of gas-using equipment shall be carried out taking into account the characteristics specified in paragraph 5 of Article 1 of this Technical Regulation, by comparing with them the characteristics of the gas-using equipment specified on the packaging, in the marking and in the operating documentation.

7. This Technical Regulation establishes requirements for gas-using equipment in order to protect human life and (or) health, property, the environment, and the life and (or) health of animals and plants; prevent actions that mislead consumers (users) regarding its intended use and safety; and ensure energy efficiency and resource conservation.

Article 2. Definitions

The following terms and definitions are used in this Technical Regulation:

“combustion-chamber ventilation” means the process of displacing, with air, unburned gas located in the combustion chamber of gas-using equipment and in flues when no gas is supplied to the burner;

“ignition time of a gas burner device” means the time interval from the moment gas is supplied to the burner until ignition and flame propagation over the entire surface of the gas burner device;

“gas train” means the parts of equipment between the main shut-off device and the burner(s), through which gas is supplied or in which gas is present;

“gaseous fuel” means fuel that is in a gaseous state at a temperature of 15 °C and an atmospheric pressure of 101,325 kPa;

“fully premixed burner” means a burner in which gas is mixed with combustion air before the burner outlet ports or to which a ready-made combustible mixture is supplied;

“ignition” means the process during which the gas-air mixture of the pilot burner and/or main burner ignites and the presence of a flame is detected;

“dual-fuel burner” means a burner intended for the separate combustion of gaseous or liquid fuels;

“gas leakage limit” means the permissible amount of gas leakage through the gas train when gas is supplied to the inlet connection and the control, regulating and safety devices are closed;

“market circulation of gas-using equipment” means the processes by which gas-using equipment passes from the manufacturer to the consumer (user) after completion of its manufacture;

“batch of gas-using equipment” means a quantity of units of gas-using equipment manufactured under the same process conditions and identified in a specified manner;

“reignition” means ignition in which the equipment design provides that, after the flame goes out during equipment operation, gas supply to the

burner is stopped and a specified automatic burner start-up programme begins;

“start-up power” means the average power of gas-using equipment during the time interval from the moment gas is supplied to the burner until the presence of a flame is detected;

“technical documentation” means a system of graphic and textual documents used in the design, manufacture and operation of gas-using equipment (parts, assembly units, complexes and sets);

“representative specimen” means a specimen of gas-using equipment identified by its functional purpose and design, manufactured under the same process conditions and selected for conformity assessment;

“safety device” means a device that automatically shuts off gas supply to the main burner when the monitored parameters deviate beyond permissible limits.

Article 3. Rules for Market Circulation

1. Gas-using equipment shall be placed on the market provided that it complies with this Technical Regulation and with other Technical Regulations of the Customs Union applicable to it, and provided that it has undergone conformity confirmation in accordance with Article 6 of this Technical Regulation and with other Technical Regulations of the Customs Union applicable to it.

Article 4. Safety Requirements

1. Gas-using equipment shall eliminate the risk of explosion caused by an external ignition source.
2. A fully premixed burner shall eliminate the risk of explosion under all gaseous-fuel combustion modes specified by the manufacturer.
3. A dual-fuel burner shall ensure the safety of gas-using equipment during the separate combustion of gaseous and liquid fuels.

4. The design of the gas train of gas-using equipment shall prevent the gas leakage limit established by the manufacturer from being exceeded.
5. Gas-train connections shall be gas-tight.
6. Gas-using equipment shall provide combustion-chamber ventilation by natural draught or forced-air supply before ignition and reignition of the burner.
7. The start-up power and ignition time of the burner of gas-using equipment during ignition and reignition, the number of reignition attempts, and the time for shutting off gas supply when the flame goes out shall be limited in order to prevent dangerous accumulation of unburned gas.
8. The burner shall ensure smooth ignition with uniform ignition over the entire burner surface.
9. Gas-using equipment intended for use in indoor areas and rooms shall have a device that prevents the accumulation of unburned gas. Gas-using equipment without such a device may be used in rooms, provided that the room ventilation requirements established in the installation, maintenance and repair manual for the gas-using equipment are met.
10. The design of gas-using equipment shall not create a risk of ignition of surfaces supporting or adjacent to the gas-using equipment.
11. Gas-using equipment shall ensure flame stability and the absence of impermissible concentrations of carbon and nitrogen oxides in the combustion products.
12. Gas-using equipment connected to a flue shall prevent the accidental release of combustion products into the room.
13. Gas-using equipment connected to a flue shall ensure that gas supply to the burner is stopped in the event of malfunctions in the combustion-product removal system.
14. The safety device of heating and water-heating gas-using equipment that is not connected to a flue and is not equipped with an exhaust device for removing combustion products shall monitor the condition of the ambient air and stop gas supply to the burners when the concentration of

carbon monoxide in the room air exceeds the maximum permissible concentration.

15. Condensate formed during start-up shall not affect the safety of gas-using equipment.

16. Gas-using equipment shall prevent the formation of condensate during the combustion of gaseous fuel, except for gas-using equipment operating in condensing mode.

17. Materials used in the manufacture of gas-using equipment that may come into contact with Food or water used for sanitary purposes shall not lead to deterioration of their quality.

18. Gas-using equipment shall prevent the occurrence of unstable positions, deformations, failures or wear capable of reducing its safety during its service life.

19. All pressurized parts shall withstand mechanical and thermal operating loads in order to prevent deformations affecting the safety of gas-using equipment.

20. Materials used in the manufacture of gas-using equipment shall be suitable for their intended purpose and resistant to the mechanical, thermal and chemical effects to which they will be exposed during the equipment's service life.

21. Heating of the surfaces of manual control devices and the external surfaces of gas-using equipment that may come into contact with the user, except for surfaces serving a heat-transfer function or heated by an open flame, shall not result in a thermal burn.

22. The design of gas-using equipment intended for hot-water supply shall include a device that prevents the user from suffering a thermal burn from water used in the relevant water-supply system.

23. Fluctuations in electrical voltage or changes in the characteristics of auxiliary energy, as well as interruption and subsequent restoration of energy supply, shall not impair the safety of gas-using equipment.

24. Gas-using equipment connected to an electrical network shall provide protection against electric shock.

25. If gas-using equipment is equipped with control devices, their operation shall not impair the functioning of the safety devices.
26. Gas-using equipment shall ensure safety in the event of failure of any regulating, control or safety device.
27. The control and regulating devices and shut-off fittings of gas-using equipment shall bear designations and appropriate instructions preventing erroneous actions by the user.
28. The safety, control and regulating devices of gas-using equipment installed and adjusted by the manufacturer and not requiring adjustment by the installer or user shall be appropriately protected.
29. The operating documentation shall specify information limiting the conditions of use of gas-using equipment or warning of the need to take safety measures. The requirements for information contained in the operating documentation are established in Annex 2 to this Technical Regulation.
30. The requirements for information contained in the marking of gas-using equipment are established in Annex 3 to this Technical Regulation.

Article 5. Ensuring Compliance with Safety Requirements

1. Compliance of gas-using equipment with the requirements established by this Technical Regulation shall be ensured either by directly fulfilling its requirements or by fulfilling the requirements of interstate standards or, in their absence (until interstate standards are adopted), national (state) standards of the Member States of the Customs Union, the application of which on a voluntary basis ensures compliance with the requirements of the Technical Regulation of the Customs Union, and standards containing the rules and methods for investigations (tests) and measurements, including sampling rules, necessary for the application and implementation of the requirements of the Technical Regulation of the Customs Union and for conformity assessment (confirmation) of products (hereinafter referred to as the standards).

Voluntary fulfilment of the requirements of these standards constitutes evidence of compliance with the safety requirements of this Technical Regulation.

2. The Lists of Standards specified in paragraph 1 of this Article shall be approved by the Customs Union Commission (hereinafter referred to as the Commission).

Article 6. Conformity Confirmation

1. Conformity confirmation of gas-using equipment with the requirements of this Technical Regulation is mandatory and is carried out in the forms of EAC Declaration or EAC Certification.

2. The forms of conformity confirmation established for certain types of gas-using equipment are specified in Appendix 1 to this Technical Regulation.

3. Conformity confirmation of gas-using equipment is carried out according to the schemes established in the Technical Regulation in accordance with the Regulation on the Procedure for Applying Standard Schemes for Conformity Assessment (Confirmation) with the Requirements of the Technical Regulations of the Customs Union, approved by the Commission.

4. At the applicant's request, the EAC Declaration may be replaced by certification according to certification schemes equivalent to the EAC Declaration schemes provided for gas-using equipment by this Technical Regulation, including where the applicant has no or insufficient own evidence of conformity confirmation with the requirements of this Technical Regulation.

5. EAC Declaration of gas-using equipment is carried out according to one of the following schemes:

Scheme 1D - EAC Declaration of gas-using equipment manufactured in series, based on the results of testing of representative specimens of gas-using equipment conducted by the manufacturer and production control carried out by the manufacturer.

Scheme 2D – EAC Declaration of a batch of gas-using equipment (single item) based on the results of testing of representative specimens (single item) of gas-using equipment conducted by the applicant;

Scheme 3D – EAC Declaration of gas-using equipment manufactured in series, based on the results of testing of representative specimens of gas-using equipment conducted by an accredited testing laboratory (center) included in the Unified Register of Certification Bodies and Testing Laboratories (Centers) of the Customs Union (hereinafter, the accredited testing laboratory), and production control carried out by the manufacturer;

Scheme 4D - EAC Declaration of a batch of gas-using equipment (single item) based on the results of testing of representative specimens (single item) of gas-using equipment conducted by an accredited testing laboratory (center).

The choice of the EAC Declaration scheme for gas-using equipment is made by the manufacturer (person authorised by the manufacturer) or importer.

For the EAC Declaration of a batch of gas-using equipment under Schemes 2D and 4D, the applicant may be a legal entity registered in accordance with the legislation of a Member State of the Customs Union and located in its territory, or an individual registered as an individual entrepreneur, or a person who is the manufacturer or seller, or who performs the functions of a foreign manufacturer under an agreement with that manufacturer, with respect to ensuring that the supplied products comply with the requirements of this Technical Regulation and with respect to liability for non-compliance of the supplied products with the requirements of this Technical Regulation of the Customs Union (a person performing the functions of a foreign manufacturer).

For the EAC Declaration of gas-using equipment manufactured in series under Schemes 1D and 3D, the applicant may be a legal entity registered in accordance with the legislation of a Member State of the Customs Union and located in its territory, or an individual registered as an individual

entrepreneur, or a person who is the manufacturer, or who performs the functions of a foreign manufacturer under an agreement with that manufacturer, with respect to ensuring that the supplied products comply with the requirements of this Technical Regulation and with respect to liability for non-compliance of the supplied products with the requirements of this Technical Regulation of the Customs Union (a person performing the functions of a foreign manufacturer).

6. For the EAC Declaration under Schemes 1D and 2D, the applicant independently compiles evidence materials to confirm the conformity of gas-using equipment with the requirements of this Technical Regulation. Technical documentation and the results of the applicant's own investigations (tests) and measurements are used as evidence materials.

7. Evidence materials for the EAC Declaration under Schemes 1D and 2D must include:

- a) a technical description of the object of conformity confirmation (if there is no operating manual);
- b) the technical documentation that served as the basis for declaring the conformity of the gas-using equipment subject to the EAC Declaration with the requirements of this Technical Regulation;
- c) a test report (test reports) of gas-using equipment conducted by the applicant and/or an accredited testing laboratory;
- d) operating documents;
- e) the List of Standards specified in paragraph 1 of Article 5, with whose requirements this gas-using equipment must comply (if applied by the manufacturer);
- f) an explanatory note containing a description of the technical solutions adopted that confirm compliance with the safety requirements of this Technical Regulation, if the standards specified in paragraph 1 of Article 5 are absent or were not applied;
- g) shipping documents (for a batch or single item);
- h) the manufacturer's management system certificate (if available);
- i) information on investigations conducted (if available);

j) other documents directly or indirectly confirming the conformity of gas-using equipment with the safety requirements of this Technical Regulation (if available).

8. For the EAC Declaration under Schemes 3D and 4D, the applicant, in addition to its own evidence materials, uses evidence obtained with the participation of a conformity assessment certification body included in the Unified Register of Certification Bodies and Testing Laboratories (Centers) of the Customs Union (hereinafter, the conformity assessment certification body), and/or an accredited testing laboratory.

In addition to the evidence materials provided for by subparagraphs a) - i) of paragraph 7 of Article 6 of this Technical Regulation, a test report for representative specimens of gas-using equipment conducted by an accredited testing laboratory (center) (hereinafter, the test report), and the results of production control carried out by the manufacturer (for the EAC Declaration under Scheme 3D) are included.

9. The EAC Declaration includes the following procedures performed by the applicant:

- a) compilation and analysis of technical documentation;
- b) implementation of production control for the EAC Declaration under Schemes 1D and 3D;
- c) testing of representative specimens of gas-using equipment (single item) by the applicant (Schemes 1D and 2D) and/or in an accredited testing laboratory (Schemes 3D and 4D);
- d) preparation and registration of the declaration of conformity in accordance with the procedure approved by the Customs Union Commission.
- e) marking with the single mark of product circulation on the market of the Member States of the Customs Union.

The declaration of conformity is prepared using the unified form approved by a decision of the Customs Union Commission.

10. The validity period of the declaration of conformity for gas-using

equipment manufactured in series is no more than 3 years; for a batch of gas-using equipment (single item), no validity period is established.

The declaration of conformity of a batch of gas-using equipment with the requirements of this Technical Regulation is valid only for equipment belonging to the specific batch.

11. EAC Certification of gas-using equipment is carried out on the basis of an agreement between the applicant and the conformity assessment certification body according to the schemes established by paragraph 12 of Article 6 of this Technical Regulation.

12. The following certification schemes are established for confirming the conformity of gas-using equipment with the requirements of this Technical Regulation:

a) Scheme 1C – EAC Certification of gas-using equipment manufactured in series, based on the results of testing of representative specimens conducted by an accredited testing laboratory (center), with production-condition analysis of this gas-using equipment and subsequent surveillance inspection by the conformity assessment certification body of the certified gas-using equipment;

b) Scheme 3C – EAC Certification of a batch of gas-using equipment based on the results of testing representative specimens of gas-using equipment conducted by an accredited testing laboratory (center);

c) Scheme 4C – EAC Certification of single specimens of gas-using equipment based on the results of their testing conducted by an accredited testing laboratory (center).

13. For EAC Certification of gas-using equipment under Scheme 1C, the applicant may be a legal entity registered in accordance with the legislation of a Member State of the Customs Union and located in its territory, or an individual registered as an individual entrepreneur, or a person who is the manufacturer, or who performs the functions of a foreign manufacturer under an agreement with that manufacturer, with respect to ensuring that the supplied products comply with the requirements of this Technical Regulation and with respect to liability for

non-compliance of the supplied products with the requirements of this Technical Regulation of the Customs Union (a person performing the functions of a foreign manufacturer).

For EAC Certification of gas-using equipment under Schemes 3C and 4C, the applicant may be a legal entity registered in accordance with the legislation of a Member State of the Customs Union and located in its territory, or an individual registered as an individual entrepreneur, or a person who is the manufacturer or seller, or who performs the functions of a foreign manufacturer under an agreement with that manufacturer, with respect to ensuring that the supplied products comply with the requirements of this Technical Regulation and with respect to liability for non-compliance of the supplied products with the requirements of this Technical Regulation of the Customs Union (a person performing the functions of a foreign manufacturer).

14. To carry out EAC Certification of gas-using equipment, the applicant compiles a set of documents that must include:

- a) technical documentation for the gas-using equipment;
- b) the List of Standards specified in paragraph 1 of Article 5, with whose requirements this gas-using equipment must comply (if applied);
- e) an explanatory note containing a description of the technical solutions adopted that confirm compliance with the safety requirements of this Technical Regulation, if the standards specified in paragraph 1 of Article 5 are absent or were not applied;
- g) a test report (test reports) for the representative specimen (single item) conducted by the manufacturer or an accredited testing laboratory (if available);
- d) certificates of conformity (declarations of conformity) for devices circulated separately from the gas-using equipment and intended for incorporation into the gas-using equipment (if such devices are incorporated into the equipment);
- e) a quality management system certificate (copy of the certificate) (if available);

f) other documents selected by the applicant that directly or indirectly confirm the conformity of gas-using equipment with the requirements established by this Technical Regulation.

15. EAC Certification of gas-using equipment includes the following procedures:

- a) submission by the applicant to the conformity assessment certification body of an application for certification of gas-using equipment (hereinafter, the application), together with the set of documents specified in paragraph 14 of this Article;
- b) review of the application and decision thereon by the conformity assessment certification body;
- c) selection by the conformity assessment certification body of representative specimens of gas-using equipment for testing in an accredited testing laboratory (center);
- d) testing of specimen(s) of gas-using equipment by an accredited testing laboratory (center);
- e) analysis by the conformity assessment certification body of the set of documents submitted by the applicant;
- f) production-condition analysis of gas-using equipment by the conformity assessment certification body, if such analysis is provided for by the relevant certification scheme.

If the manufacturer has a certified quality management system for the production or development and production of gas-using equipment, the conformity assessment certification body assesses whether this system can ensure the stable manufacture of gas-using equipment subject to certification and complying with the requirements of this Technical Regulation;

- g) consolidation of the results of testing, analysis of the technical documentation and production conditions of the gas-using equipment, or assessment of the quality management system and, where the result is positive, issuance of a certificate of conformity to the applicant;
- h) marking with the single mark of product circulation on the market of the

Member States of the Customs Union.

i) surveillance inspection of certified gas-using equipment, if such inspection is provided for by the certification scheme;

16. The applicant submits the application, at its choice, to any conformity assessment certification body.

17. If the certification scheme provides for testing, the applicant must place at the disposal of the conformity assessment certification body a representative specimen of gas-using equipment representing the production. The test report may cover several models (types) of gas-using equipment provided that the differences between the models (types) do not affect the safety level or other requirements concerning the use of gas-using equipment.

If additional testing is required that cannot be conducted on the representative specimen already selected, additional representative specimens may be selected by the conformity assessment certification body.

18. Testing of the representative specimen is conducted by an accredited testing laboratory (center) on the basis of an agreement with the applicant or the conformity assessment certification body to which the test report is issued. Testing of the representative specimen by an accredited testing laboratory (center) at the manufacturer's premises or at the place of operation is permitted if the representative specimen meets the characteristics established by paragraph 6 of Article 1 of this Technical Regulation.

19. If the results of the analysis of the technical documentation submitted by the applicant, the results of testing of the representative specimen and the production-condition analysis of the gas-using equipment are positive, the conformity assessment certification body prepares and registers the certificate of conformity and issues it to the applicant.

In the event of a negative certification result, the certification body sends the applicant a reasoned decision refusing to issue the certificate of conformity.

The certificate of conformity is prepared using the Unified Form approved by a decision of the Customs Union Commission.

The validity period of the certificate of conformity for gas-using equipment manufactured in series is no more than 5 years; for a batch of gas-using equipment (single item), no validity period is established. The certificate of conformity for a batch of gas-using equipment is valid only for equipment belonging to the specific batch.

20. The applicant, including an applicant who is the seller (supplier) of gas-using equipment, marks the gas-using equipment with the single mark of product circulation on the market of the Member States of the Customs Union on the basis of the certificate of conformity obtained.

21. At least once every two years throughout the entire validity period of the certificate of conformity, the conformity assessment certification body conducts surveillance inspection of certified gas-using equipment manufactured in series by testing specimens in an accredited testing laboratory (center) and/or conducting a production-condition analysis of the gas-using equipment, if such analysis is provided for by the relevant certification scheme. The representative specimen for testing is selected, at the discretion of the conformity assessment certification body, at the manufacturer's or seller's premises.

22. Storage of technical documentation.

Technical documentation, including documents confirming conformity in the territories of the Member States of the Customs Union, must be stored: for gas-using equipment - by the manufacturer (person performing the functions of a foreign manufacturer) for at least 10 years from the date on which manufacture of this equipment is discontinued; for a batch of gas-using equipment (single item) - by the seller (supplier) or manufacturer (person performing the functions of a foreign manufacturer) for at least 10 years from the date of sale of the last item from the batch.

Documents and materials confirming the certification results are stored by the certification body that issued the certificate of conformity for at least 5

years after the expiry of the certificate of conformity.

The above-mentioned documents must be provided to state control (supervision) bodies at their request.

Article 7. Marking with the single mark of product circulation on the market of the Member States of the Customs Union

1. Gas-using equipment that complies with the requirements of this Technical Regulation and has undergone the conformity confirmation procedures established by this Technical Regulation shall bear the single mark of product circulation on the market of the Member States of the Customs Union.
2. The single mark of product circulation on the market of the Member States of the Customs Union shall be affixed to each item of gas-using equipment. The single mark of product circulation on the market of the Member States of the Customs Union shall be affixed to the product itself and shall also be provided in the operating documentation supplied with it. If it is impossible to affix the single mark of product circulation on the market of the Member States of the Customs Union directly to the gas-using equipment, it may be affixed only to the packaging and indicated in the operating documentation supplied with it.
3. The single mark of product circulation on the market of the Member States of the Customs Union shall be affixed to the product by any method that ensures a clear and legible image throughout the entire service life of the gas-using equipment.
4. The single mark of product circulation on the market of the Member States of the Customs Union shall be affixed before the gas-using equipment is placed on the market.
5. Gas-using equipment shall be marked with the single mark of product circulation on the market of the Member States of the Customs Union if it complies with the requirements of all Customs Union Technical

Regulations applicable to it and providing for the affixing of the single mark of product circulation on the market of the Member States of the Customs Union.

Article 8. Safeguard clause

1. The Member States of the Customs Union shall take all measures to restrict or prohibit the placing on the market of gas-using equipment in the single customs territory of the Customs Union, as well as to withdraw from the market gas-using equipment that does not comply with the requirements of this Technical Regulation.

Annex 1
to the Technical Regulation
of the Customs Union
“On the safety of appliances
operating on
gaseous fuel”
(TR CU 016/2011)

LIST
of gas-using equipment for which
the requirements of the Customs Union Technical
Regulation
“On the safety of appliances operating on gaseous
fuel” are established

Name of type	Form of conformity confirmation
Gas-using equipment intended for cooking, heating and hot-water supply	
Domestic gas-fired heating appliances (heating appliances and combination appliances with a water circuit, convectors, fireplaces, air heaters, air conditioners with built-in gas-fired air heaters)	Certification
Domestic gas cooking and food-heating appliances (cookers, hobs, ovens, grills, electric cookers with at least one gas burner)	Certification
Instantaneous gas water heaters	Certification
Storage gas water heaters	Certification
Portable and camping gas cookers and table-top gas stoves	Declaration of conformity

Domestic gas lamps	Declaration of conformity
Domestic infrared gas burners and gas burner devices for domestic appliances	Declaration of conformity

Gas-fired heating boilers (up to 100 kW)	Certification
Gas-fired heating boilers (over 100 kW)	Certification
Gas-fired catering equipment and equipment for food-service kitchens (stationary cooking kettles, kitchen cookers, cooking and roasting appliances, tilting frying pans, roasters, deep fryers, equipment for boiling and heating liquids, bain-maries for first and second courses)	Certification
Special-purpose industrial gas burners (“bright” infrared radiant heaters)	Certification
Enclosed gas radiant heaters (“dark” radiant heaters)	Certification
Industrial gas-fired air heaters (recuperative and direct-fired), including air heaters with packaged forced-draught burners and air conditioners with built-in gas-fired air heaters	Certification
Gas-fired heat generators for livestock buildings	Certification
Gas brooders for poultry houses	Declaration of conformity
Monobloc automatic burners	

Industrial packaged gas burners	Certification
Industrial packaged dual-fuel burners	Certification
Devices intended for incorporation into equipment	
Gas pressure regulators operating without an external energy source	Certification
Gas cylinder regulators	Certification
Automatic control devices and systems for gas burners and appliances (automatic ignition units and panels)	Declaration of conformity
Gas control, shut-off and safety fittings (automatic shut-off valves, pressure regulators, thermoelectric flame supervision devices, taps, mechanical thermostats)	Declaration of conformity
Flexible connections for gas burners and appliances	Certification

Annex 2
to the Technical Regulation
of the Customs Union
“On the safety of appliances,
operating on
gaseous fuel”
(TR CU 016/2011)

Requirements for Operating Documentation

1. The scope of supply of gas-using equipment shall include the following operating documentation: an installation, maintenance and repair manual for gas-using equipment and its operating manual. These documents shall be prepared in Russian and in the official language(s) of the Member State of the Customs Union, where the legislation of the Member State(s) of the Customs Union contains corresponding requirements.

The operating documents shall be provided in hard copy. A set of operating documents in electronic form may be enclosed with them.

If necessary, the above documents may be combined.

2. The installation, maintenance and repair manual for gas-using equipment shall contain the following information:

a) a general description of the gas-using equipment and its operating procedure;

б) the rated heat input and/or rated heat output of the gas-using equipment;

в) the types and rated pressures of the gases used;

г) the procedure for converting the gas-using equipment from one type of gas to another;

д) requirements for ventilation of the room in which the gas-using equipment is installed, to ensure the combustion process, prevent the accumulation of hazardous unburned gases, and create conditions ensuring the removal of combustion products;

е) requirements for packaged gas burners and the gas-using equipment for which these burners are intended and, where necessary, a list of combinations recommended by the manufacturer to guarantee proper assembly and adjustment, ensure the declared technical characteristics and the safety of the assembled gas-using equipment specimen during operation;

ж) requirements for the chemical composition of water for heating equipment (where water is the heat-transfer medium);

з) the rated voltage of the electrical network for gas-using equipment with

electrically powered automatic control systems;

и) the types and frequency of maintenance to which the gas-using equipment shall be subjected during operation;

к) typical malfunctions of the gas-using equipment and methods for eliminating them;

л) requirements for air exchange in rooms where heating and water-heating gas-using equipment that is not connected to a flue and is not equipped with an exhaust device for removing combustion products may be installed;

м) the name and location of the manufacturer (the person performing the functions of a foreign manufacturer), and contact information for them;

н) the month and year of manufacture of the gas-using equipment and/or information on the location where the year of manufacture is marked and the method for determining it.

3. The operating manual for gas-using equipment shall contain all information necessary for its safe operation throughout its service life and shall indicate the limitations of its capabilities to the user.

4. The operating manual shall specify recommendations for the safe disposal of gas-using equipment.

5. Fittings intended for installation of gas-using equipment and devices intended for incorporation into gas-using equipment shall be supplied with an installation, maintenance and repair manual for gas-using equipment.

Annex 3

to the Technical Regulation

of the Customs Union

“On the Safety of Appliances

Operating on

Gaseous Fuel”

(TR CU 016/2011)

Requirements for Marking and Packaging

1. Each item of gas-using equipment placed on the market of the Member States of the Customs Union must bear clear, easily legible marking applied in a location accessible for inspection without disassembly using a tool and remaining legible throughout the service life of the gas-using equipment.
2. The information contained in the marking of gas-using equipment shall be provided in Russian and in the official language(s) of the Member State(s) of the Customs Union, where the relevant requirements are established by the legislation of the Member State(s) of the Customs Union.
3. The marking shall contain the following information:
 - a) the name and/or trademark of the manufacturer and the name of the country where the product was manufactured;
 - б) the model (type) of the equipment;
 - в) the Serial Number (batch number);
 - г) the Date of Manufacture of the equipment (month, year);
 - д) the rated heat input and/or rated heat output of the gas-using equipment;
 - е) the type and rated gas pressure of the gas used;
 - ж) the voltage, electric current frequency and electrical power consumption (for gas-using equipment connected to the electrical grid).
4. Warning labels applied to gas-using equipment shall inform the user:
 - a) of the danger of explosion, fire, carbon monoxide poisoning, harmful thermal effects and electric shock (for gas-using equipment connected to the electrical grid);
 - б) of the need to install gas-using equipment in well-ventilated rooms (for gas-using equipment with combustion products discharged into the room).
5. All connecting openings of pipelines shall be closed with transport plugs.
6. Each item of gas-using equipment shall be packaged so as to ensure its safety during storage and transportation.
7. The packaging shall ensure the conditions required for transportation,

loading and unloading of gas-using equipment.

8. Marking shall be applied to the outside of the packaging.

9. The marking shall be clear and easily distinguishable, applied with indelible or water-repellent paint contrasting with the color of the packaging.

10. The marking on the packaging shall contain the following information:

a) the model (type) of the equipment;

b) the type and rated gas pressure of the gas used;

c) handling symbols;

d) the name and/or trademark of the manufacturer and the name of the country where the product was manufactured.

11. Handling symbols shall be duplicated in different locations on the packaging.

12. Only the packaging may be marked if, due to the design features, it is impossible to apply the marking directly to the gas-using equipment.

APPROVED

by Decision of the

Customs Union Commission

of 9 December 2011 No. 875

(as amended by Decision of the Board
of the Eurasian Economic Commission
of 3 February 2015 No. 9)



LIST

of Standards the application of which, on a voluntary basis, ensures compliance with the requirements of the Technical Regulation of the Customs Union “On the Safety of Appliances Operating on Gaseous Fuel” (TR CU 016/2011)

Note. The List is set out as amended by Decision of the Board of the Eurasian Economic Commission of 03.02.2015 No. 9 (enters into force upon the expiry of 30 calendar days from the date of its official publication).

No.	Elements of the Customs Union Technical Regulation	Standard designation	Title of the standard	Note
1	2	3	4	5
I. Gas-using equipment intended for cooking, heating and hot-water supply				
1. Domestic gas-fired heating appliances (heating appliances and combination appliances with a water circuit, convectors, fireplaces, air heaters, air conditioners with built-in gas-fired air heaters)				
1.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 2 – 4 GOST EN 613-2010	Independent gas-fired convective heaters	
2.		Sections 1, 2 and 5 GOST 20219-74	Domestic gas-fired heating appliances with a water circuit. Technical specifications	
3.		Sections 1, 2 and 5 GOST 20219-93	Domestic gas-fired heating appliances with a water circuit. Technical specifications	

4.	Sections 5 and 7 GOST 32441-2013 (EN 461:1999)	Flueless non-domestic heating appliances for liquefied petroleum gases with a rated heat input of not more than 10 kW	
5.	Sections 4 – 6 and 8 GOST 32447-2013	Independent gas-fired heating convectors with a built-in auxiliary burner fan	
6.	Sections 5, 6 and 8 GOST 32451-2013	Independent gas-fired heating appliances with an open front surface	

7.	Sections 4, 5 and 7 STB EN 778-2009	Gas-fired forced-convection air heaters for heating domestic premises with a rated heat input of not more than 70 kW, without a fan for supplying air to the combustion zone and/or discharging combustion products	
8.	Sections 4, 5 and 7 STB EN 1319-2009	Gas-fired forced-convection air heaters for heating domestic premises with a rated heat input of not more than 70 kW, with a fan	

9.	Sections 2 – 4 GOST R 51377-99	Domestic gas-fired heating convectors. Safety requirements and test methods	
10.	Sections 4, 5 and 7 GOST R 53635-2009 (EN 778:1998)	Gas-fired air heaters with forced convection for heating premises, with a heat output of up to 100 kW. General technical requirements and test methods	

11.	Sections 4, 5 and 7 GOST R 54819-2011 (EN 449:2002)	Domestic heating appliances not connected to a flue, for operation on liquefied petroleum gases	
12.	Sections 4 - 6 and 8 GOST R 54822-2011 (EN 1319:2009)	Domestic gas-fired heating air heaters with forced convection and an auxiliary burner fan with a rated heat input of not more than 70 kW. General technical requirements and test methods	

2. Domestic gas cooking and food-heating appliances
(cookers, hobs, ovens, grills, electric cookers
with at least one gas burner)

13.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Section 4 STB EN 30-1- 2-2004	Domestic gas cooking appliances. Part 1-2. Safety of appliances with forced circulation of air in the oven and/or grill	
14.		Section 4 STB EN 30-2- 2-2006	Domestic gas cooking appliances. Part 2-2. Efficient use of energy. Appliances with forced circulation of air in ovens and/or grills	
15.		Sections 4 – 6 and 8 GOST R 50696-2006	Domestic gas cooking appliances. General technical requirements and test methods	
16.		Section 4 GOST R 54450-2011 (EN 30-2- 1:1998)	Domestic gas cooking appliances. Part 2-1. Efficient use of energy. General provisions	

17.	Section 4 GOST R 54451-2011 (EN 30-2- 2:1999)	Domestic gas cooking appliances. Part 2-2. Efficient use of energy. Appliances with forced circulation of air in ovens and/or grills	
3. Instantaneous gas water heaters			
18.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 4 – 9 GOST 31856- 2012 (EN 26:1997)	Gas-fired instantaneous water heaters with atmospheric burners for the production of domestic hot water. General technical requirements and test methods
19.		STB EN 26- 2010	Domestic instantaneous gas water heaters equipped with atmospheric burners
4. Storage gas water heaters			

20.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 4 – 6, 9 and 10 GOST 11032-97	Domestic storage gas water heaters. General technical specifications	
21.		Sections 4 – 9 GOST R 54821-2011 (EN 89:1999)	Storage gas water heaters for the production of domestic hot water	
22.		STB EN 89-2012	Storage gas water heaters for the production of domestic hot water	
5. Portable and camping gas cookers and gas cookers, domestic gas lamps				
23.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 2 and 3 GOST 30154-94	Domestic camping gas cookers. General technical specifications	
6. Infrared gas burners and gas burner devices for domestic appliances, gas brooders for poultry houses				

24.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 1 – 4, 7 and 8 GOST 16569-86	Gas burner devices for domestic heating stoves. Technical specifications	
25.		Sections 1 and 2 GOST 25696-83	Infrared gas burners. General technical requirements and acceptance	
7. Gas-fired heating boilers, including boilers with packaged forced-draught burners				
26.	Articles 4, 5, 7 and 8, Annexes 2 and 3	GOST EN 303-3-2013	Heating boilers. Part 3. Gas-fired central-heating boilers. Boiler assembly with a forced-draught burner for combustion air	
27.		STB EN 297-2010	Gas-fired central-heating boilers. Type B boilers equipped with atmospheric burners, with a rated heat input of not more than 70 kW	

28.	Sections 4 and 6 STB EN 303-7-2010	Heating boilers. Part 7. Gas-fired central-heating boilers with forced-draught burners, with a rated heat input of not more than 1000 kW. Technical requirements and test methods	
29.	STB EN 483-2010	Gas-fired central-heating boilers. Type C boilers with a rated heat input of not more than 70 kW	

30.	STB EN 656-2012	Gas-fired central-heating boilers. Type B boilers with a rated heat input above 70 kW but not more than 300 kW	
31.	Sections 4, 5 and 7 STB EN 677-2000	Gas-fired central-heating boilers. Specific requirements for condensing boilers with a rated heat input of not more than 70 kW	

32.	STB EN 13836-2010	Gas-fired central-heating boilers. Type B boilers with a rated heat input above 300 kW but not more than 1000 kW	
33.	GOST 12.2.096-83	Occupational safety standards system. Steam boilers with a working steam pressure of up to 0,07 MPa. Safety requirements	
34.	Sections 1 - 3 GOST 20548-87	Hot-water heating boilers with a heat output of up to 100 kW. General technical specifications	

35.	Sections 4 and 5 GOST 30735-2001	Hot-water heating boilers with a heat output from 0,1 to 4,0 MW. General technical specifications	
36.	Section 4 GOST R 51733-2001	Gas-fired central-heating boilers equipped with atmospheric burners, with a rated heat input of up to 70 kW. Safety requirements and test methods	

37.	Sections 4 – 6 and 8 GOST R 53634-2009 (EN 656:1999)	Gas-fired central-heating boilers, type B boilers, with a rated heat input above 70 kW but not more than 300 kW. General technical requirements and test methods	
38.	Sections 4 and 5 GOST R 54438-2011 (EN 625:1996)	Gas-fired central-heating boilers. Additional requirements for domestic water heaters used in conjunction with boilers with a rated heat input of up to 70 kW	

39.	Sections 5 – 8 GOST R 54439-2011 (EN 13836:2006)	Gas-fired central-heating boilers. Type B boilers with a rated heat input above 300 kW but not more than 1000 kW	
40.	Sections 4, 6 and 7 GOST R 54440-2011 (EH 303-1:1999)	Heating boilers. Part 1. Heating boilers with forced-draught burners. Terminology, general requirements, testing and marking	

41.	Sections 4, 5 and 7 GOST R 54444-2011 (EH 303-7:2006)	Heating boilers. Part 7. Gas-fired boilers with forced-draught burners for central heating with a heat output not exceeding 1000 kW	
42.	Sections 4, 5 and 7 GOST R 54825-2011 (EH 677:1998)	Gas-fired central-heating boilers. Specific requirements for condensing boilers with a rated heat output not exceeding 70 kW	

43.	Sections 4 – 6 and 8 GOST R 54826-2011 (EH 483:1999)	Gas-fired central-heating boilers. Type C boilers with a rated heat output not exceeding 70 kW	
44.	Sections 5 – 7 GOST R 54829-2011 (EN 14394:2005+ A1:2008)	Heating boilers equipped with a forced-draught burner with a rated heat output not exceeding 10 MW and a maximum operating temperature of 150 YC	

8. Gas-fired catering equipment and equipment for food service areas (stationary cooking boilers, kitchen cookers, cooking and frying appliances, tilting frying pans, roasting pans, deep fryers, equipment for boiling and heating liquids, bain-maries for first and second courses)

45.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 2 and 4 GOST 27441-87 (CT CЭB 5796-86)	Gas appliances for heat treatment of food for catering establishments. Classification, general technical requirements and test methods	
46.		Sections 6 and 7 GOST R 55211-2012 (EH 203-1:2005)	Gas-fired catering equipment. Part 1. Safety requirements and test methods	
47.		Sections 6 and 7 GOST R 55213-2012 (EH 203-2-1:2005)	Gas-fired catering equipment. Part 2-1. Specific requirements. Open-flame burners and wok burners	
48.		Sections 6 and 7 GOST R 55214-2012 (EH 203-2-3:2005)	Gas-fired catering equipment. Part 2-3. Specific requirements. Cooking boilers	

49.	Sections 6 and 7 GOST R 55215-2012 (EH 203-2-4:2005)	Gas-fired catering equipment. Part 2-4. Specific requirements. Frying appliances	
50.	Sections 6 and 7 GOST R 55216-2012 (EH 203-2-6:2005)	Gas-fired catering equipment. Part 2-6. Specific requirements. Hot-water heaters for beverages	
51.	Sections 6 and 7 GOST R 55217-2012 (EH 203-2-8:2005)	Gas-fired catering equipment. Part 2-8. Specific requirements. Deep-fat fryers and paella pans	

52.	Sections 6 and 7 GOST R 55218-2012 (EH 203-2-9:2005)	Gas-fired catering equipment. Part 2-9. Specific requirements. Flame spreaders, bain-maries and frying pans	
53.	Sections 6 and 7 GOST R 55219-2012 (EH 203-2-10:2007)	Gas-fired catering equipment. Part 2-10. Specific requirements. Lava grills	
54.	Sections 6 and 7 GOST R 55220-2012 (EH 203-2-11:2006)	Gas-fired catering equipment. Part 2-11. Specific requirements. Pasta cooking boilers	

55.	Sections 6 and 7 GOST R 55221-2012 (EH 203-2-2:2006)	Gas-fired catering equipment. Part 2-2. Specific requirements. Ovens	
56.	Sections 6 and 7 GOST R 55222-2012 (EH 203-2-7:2007)	Gas-fired catering equipment. Part 2-7. Specific requirements. Roasting pans and spit grills	

57.	CT PK IEC 60335-2- 102-2012	Household and similar electrical appliances. Safety. Part 2- 102. Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections	
9. Special-purpose industrial gas burners (gas luminous radiant heaters)			
58.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 5 and 6 GOST R 54446-2011 (EH 419- 1:2009)	Gas luminous radiant heaters not intended for domestic use. Part 1. Safety requirements
59.		Sections 5 and 6 GOST R 54447-2011 (EH 419- 2:2006)	Gas-fired radiant overhead heaters not used domestically. Part 2. Efficient use of energy

10. Enclosed gas radiant heaters (dark radiant heaters)

60.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 5 and 6 GOST R 54448-2011 (EH 416-1:2009)	Single-burner gas-fired tube radiant heaters not intended for domestic use. Part 1. Safety requirements	
61.		Sections 5 and 6 GOST R 54449-2011 (EH 416-2:2006)	Single-burner gas-fired tube radiant heaters not intended for domestic use. Part 2. Efficient use of energy	

11. Industrial gas-fired air heaters (recuperative and direct-fired), including air heaters with packaged forced-draught burners, air conditioners with built-in gas-fired air heaters, and gas-fired heat generators for livestock premises

62.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 4 and 5 GOST EN 1196-2013	Gas-fired air heaters for domestic and non-domestic use. Additional requirements for condensing air heaters	
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63.	Sections 4, 5 and 7 CTБ EN 621-2006	Gas-fired heat generators with forced convection for heating non-domestic premises, with a rated heat output not exceeding 300 kW, without a fan for supplying air to the combustion zone and/or removing combustion products	
64.	Sections 4 – 6 GOST 31848-2012	Industrial gas-using equipment. Air heaters. General technical requirements	

65.	Sections 4 – 6 GOST 31849-2012	Industrial gas-using equipment. Direct-fired air heaters. General technical requirements	
66.	Sections 5 and 7 GOST 32430-2013 (EN 1596:1998)	Mobile and portable direct-fired air heaters for non-domestic use with forced convection, operating on liquefied petroleum gases. General technical requirements and test methods	

67.	GOST 32445-2013 (EN 621:2009)	Gas-fired heating air heaters for non-domestic use with forced convection, without an auxiliary burner fan, with a rated heat output not exceeding 300 kW. General technical requirements and test methods	
68.	Sections 5, 6 and 8 GOST R 55202-2012 (EH 12669:2000)	Gas-fired direct-fired air heaters for heating greenhouses and similar non-domestic premises	

69.	Sections 5, 6 and 8 GOST R 55203-2012 (EH 525:2009)	Gas-fired direct-fired air heaters c with forced convection for heating non-domestic premises with a rated heat output of up to 300 kW	
70.	Sections 5, 6 and 8 GOST R 55204-2012 (EH 1020:2009)	Non-domestic gas-fired convective air heaters equipped with a fan for supplying combustion air or removing combustion products, with a rated heat output not exceeding 300 kW	

71.	Sections 4 – 6 CT PK FOCT P 50670-2008	Industrial gas-using equipment. Air heaters. General technical requirements	
II. Packaged automatic burners			
Industrial packaged gas and dual-fuel burners			
72.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 4 – 6 GOST 21204-97	Industrial gas burners. General technical requirements
73.		Sections 4 – 6 GOST 27824-2000	Industrial liquid-fuel burners. General technical requirements
74.		Section 4 GOST 31850-2012 (EN 676:1996)	Automatic forced-draught gas burners. Technical requirements, safety requirements and test methods
75.		CTB EN 676-2012	Automatic forced-draught gas burners for combustion

76.	Section 3 GOST R 50591-2013	Gas-consuming heat-generating units. Industrial gas burners. Limit values for NOx concentrations in combustion products	
III. Devices intended for incorporation into equipment			
1. Gas pressure regulators operating without an external energy source			
77.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 2 and 5 GOST 11881-76	GSP. Regulators operating without the use of an external energy source. General technical specifications
78.		Sections 4 and 6 – 8 GOST R 54823-2011 (EN 88-2:2007)	Pressure regulators and safety devices connected to them for gas appliances. Part 2. Regulators with an inlet pressure exceeding 50 kPa up to and including 500 kPa

79.	Sections 4 and 6 – 8 GOST R 54824-2011 (EN 88-1:2007)	Pressure regulators and safety devices connected to them for gas appliances. Part 1. Regulators with an inlet pressure up to and including 50 kPa	
80.	STB EN 88-1-2012	Pressure regulators and safety devices for gas appliances. Part 1. Regulators with an inlet pressure up to 50 kPa	

81.	STB EN 88-2-2012	Pressure regulators and safety devices for gas appliances. Part 2. Regulators with an inlet pressure exceeding 500 mbar but not more than 5 bar	
2. Gas cylinder regulators			

82.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 1 – 3 GOST 21805-94	Pressure regulators for liquefied petroleum gases at pressures up to 1,6 MPa. General technical specifications	
3. Automatic control devices and systems for gas burners and appliances (automatic ignition units and panels)				
83.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 2 – 4 and 7 GOST R 52219-2012 (EN 298:2003)	Automatic control systems for gas burners and appliances. General technical requirements and test methods	
4. Gas control, shut-off and safety fittings (automatic shut-off valves, pressure regulators, thermoelectric flame supervision devices, taps, mechanical thermostats, multifunctional devices)				
84.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 6, 7 and 9 GOST 32028-2012 (EN 161:2001)	Automatic shut-off valves for gas burners and appliances. General technical requirements and test methods	

85.	Sections 4 – 6 and 8 GOST 32029-2012 (EN 257:1992)	Mechanical thermostats (temperature regulators) for gas appliances. General technical requirements and test methods	
86.	Section 5 GOST 32032-2013 (EN 1106:2010)	Gas appliance taps. General technical requirements and test methods	

87.	Sections 2, 3 and 5 GOST R 51843-2001	Flame supervision devices for gas appliances. Thermoelectric flame supervision devices. General technical requirements and test methods	
88.	Sections 6 – 8 GOST R 54823-2011 (EN 88-2:2007)	Pressure regulators and safety devices associated with them for gas appliances. Part 2. Regulators with an inlet pressure above 50 kPa up to and including 500 kPa	

89.	Sections 6 – 8 GOST R 54824-2011 (EN 88-1:2007)	Pressure regulators and safety devices associated with them for gas appliances. Part 1. Regulators with an inlet pressure up to and including 50 kPa	
90.	Sections 4 and 6 – 9 GOST R 55205-2012 (EN 1854:2010)	Pneumatic pressure monitoring sensors for gas burners and appliances	
91.	Sections 4, 5 and 7 GOST R 55206-2012 (EN 12067-1:1998)	Gas/air ratio regulators for gas burners and gas-consuming appliances. Part 1. Pneumatic regulators	

92.	Sections 4 and 6 – 8 GOST R 55207-2012 (EN 12067-2:2007)	Gas/air ratio regulators for gas burners and gas-consuming appliances. Part 2. Electronic regulators	
93.	Sections 5 and 6 GOST R 55208-2012 (EN 1643:2000)	Automatic shut-off valve tightness control systems for gas burners and gas appliances	
94.	Sections 6, 7 and 9 GOST R 55209-2012 (EN 13611:2007)	Safety, regulating and control devices for gas burners and gas appliances. General requirements	

95.	STB EN 13611-2012	Safety devices and control devices for gas burners and gas appliances. General technical requirements	
5. Flexible steel hose assemblies for gas burners and appliances			
96.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 2 and 9 GOST R 52209- 2004	Connections for gas burners and appliances. General technical specifications and test methods

APPROVED

by Decision of the Commission
of the Customs Union
of 9 December 2011 No. 875
(as amended by Decision of the Board
of the Eurasian Economic Commission
of 3 February 2015 No. 9)

LIST

**of standards containing rules and methods for
investigations (tests) and measurements, including sampling
rules, necessary for the application and fulfilment of the
requirements of the Technical Regulation of the Customs Union
“On the safety of appliances operating on gaseous**

fuel” (TR CU 016/2011) and conformity assessment (confirmation) of products

Note. The List is set out in the wording of Decision No. 9 of the Board of the Eurasian Economic Commission dated 03.02.2015 (enters into force upon the expiry of 30 calendar days from the date of its official publication).

No.	Elements of the Technical Regulation of the Customs Union	Standard designation	Title of the standard	Note
1	2	3	4	5
I. Gas-using equipment intended for cooking, heating and hot water supply				
1. Domestic gas-fired heating appliances (heating appliances and combination appliances with a water circuit, convectors, fireplaces, air heaters, air conditioners with built-in gas-fired air heaters)				
1.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Section 5 GOST EN 613-2010	Autonomous gas-fired convective heaters	

2.	Section 6 STB EN 778- 2009	Gas-fired air heaters with forced convection for heating domestic premises, with a rated heat output not exceeding 70 kW, without a fan for supplying air to the combustion zone and/or removing combustion products	
3.	Section 6 STB EN 1319-2009	Gas-fired air heaters with forced convection for heating domestic premises, with a rated heat output not exceeding 70 kW, with a fan	

4.	Section 4 GOST 20219-74	Domestic gas-fired heating appliances with a water circuit. Technical specifications	
5.	Sections 1, 2 and 5 GOST 20219-93	Domestic gas-fired heating appliances with a water circuit. Technical specifications	
6.	Section 6 GOST 32441-2013 (EN 461:1999)	Flueless non-domestic heating appliances for liquefied petroleum gases with a heat input not exceeding 10 kW	

7.	Section 7 GOST 32447-2013	Autonomous gas-fired heating convectors with a built-in auxiliary burner fan	
8.	Section 7 GOST 32451-2013	Autonomous gas-fired heating appliances with an open front surface	
9.	Section 5 GOST R 51377-99 (EN 613-1991)	Domestic gas-fired heating convectors. Safety requirements and test methods	

10.	Section 6 GOST R 53635-2009 (EN 778:1998)	Gas-fired air heaters with forced convection for heating premises, with a heat output of up to 100 kW. General technical requirements and test methods	
11.	Section 6 GOST R 54819-2011 (EN 449:2002)	Domestic heating appliances not connected to a flue, operating on liquefied petroleum gases	

12.	Section 7 GOST R 54822-2011 (EN 1319:2009)	Domestic gas-fired heating air heaters with forced convection and an auxiliary burner fan, with a rated heat output not exceeding 70 kW. General technical requirements and test methods	
2. Domestic gas cooking and food-heating appliances (cookers, hobs, ovens, grills, electric cookers with at least one gas burner)			
13.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Section 4 STB EN 30-1-2-2004	Domestic gas cooking appliances. Part 1-2. Safety of appliances with forced circulation of air in the oven and/or grill

14.	Section 5 STB EN 30-2- 2-2006	Domestic gas cooking appliances. Part 2-2. Efficient use of energy. Appliances with forced circulation of air in ovens and/or grills	
15.	Section 5 GOST R 50696-2006	Domestic gas cooking appliances. General technical requirements and test methods	

16.	Section 5 GOST R 54451-2011 (EN 30-2- 2:1999)	Domestic gas cooking appliances. Part 2-2. Efficient use of energy. Appliances with forced circulation of air in ovens and/or grills	
3. Instantaneous gas water heaters			
17.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Section 10 GOST 31856- 2012 (EN 26:1997)	Instantaneous gas water heaters with atmospheric burners for producing domestic hot water. General technical requirements and test methods
18.		STB EN 26- 2010	Domestic instantaneous gas water heaters equipped with atmospheric burners
4. Storage gas water heaters			

19.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Section 7 GOST 11032-97	Domestic storage gas water heaters. General technical specifications	
20.		Section 8 GOST R 54821-2011 (EN 89:1999)	Storage gas water heaters for producing domestic hot water	
21.		STB EN 89-2012	Storage gas water heaters for producing hot water for domestic needs	
5. Portable and camping gas cookers, gas-fired roasting pans, and domestic gas lamps				
22.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Section 5 GOST 30154-94	Domestic camping gas cookers. General technical specifications	
23.		STB EN 521-2012	Technical requirements for appliances operating on liquefied petroleum gas. Portable gas appliances operating on liquefied petroleum gas	

6. Infrared gas burners and gas burner devices for domestic appliances, gas brooders for poultry houses

24.	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 1–4, 7 and 8 GOST 16569-86	Gas burner devices for domestic heating stoves. Technical specifications	
25.		Sections 1 and 2 GOST 25696-83	Infrared gas burners. General technical requirements and acceptance	

7. Gas-fired heating boilers, including boilers with packaged forced-draught burners

26.	Articles 4, 5, 7 and 8, Annexes 2 and 3	GOST EN 303-3-2013	Heating boilers. Part 3. Gas-fired boilers for central heating. Boiler assembly with a forced-draught burner for combustion air supply	
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27.	Sections 4 and 6 STB EN 303-7-2010	Heating boilers. Part 7. Gas-fired boilers with forced-draught burners for combustion air supply for central heating, with a rated heat output not exceeding 1000 kW. Technical requirements and test methods	
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28.	STB EN 297-2010	Gas-fired boilers for central heating. Type B boilers equipped with atmospheric burners, with a rated heat output not exceeding 70 kW	
29.	STB EN 304-2010	Heating boilers. Test methods for heating boilers with oil pressure-jet burners	

30.	STB EN 483-2010	Gas-fired boilers for central heating. Type C boilers with a rated heat output not exceeding 70 kW	
31.	STB EN 656-2012	Gas-fired boilers for central heating. Type B boilers with a rated heat output exceeding 70 kW but not exceeding 300 kW	

32.	Sections 4, 5 and 7 STB EN 677-2000	Gas-fired boilers for central heating. Specific requirements for condensing boilers with a rated heat output not exceeding 70 kW	
33.	STB EN 13836-2010	Gas-fired heating boilers for central heating. Type B boilers with a rated heat output exceeding 300 kW but not exceeding 1000 kW	

34.	Sections 5 and 6 GOST 20548-87	Hot-water heating boilers with a heat output of up to 100 kW. General technical specifications	
35.	Sections 7 and 8 GOST 30735-2001	Hot-water heating boilers with a heat output from 0,1 to 4,0 MW. General technical specifications	
36.	Section 4 GOST R 51733-2001	Gas-fired central-heating boilers equipped with atmospheric burners, with a rated heat output of up to 70 kW. Safety requirements and test methods	

37.	Sections 4-6 and 8 GOST R 53634-2009 (EN 656:1999)	Gas-fired central-heating boilers, type B boilers, with a rated heat output exceeding 70 kW but not exceeding 300 kW. General technical requirements and test methods	
38.	Section 6 GOST R 54438-2011 (EN 625:1996)	Gas-fired boilers for central heating. Additional requirements for domestic water heaters used in conjunction with boilers with a rated heat output of up to 70 kW	

39.	Section 7 GOST R 54439-2011 (EN 13836:2006)	Gas-fired boilers for central heating. Type B boilers with a rated heat output exceeding 300 kW but not exceeding 1000 kW	
40.	Section 5 GOST R 54440-2011 (EN 303- 1:1999)	Heating boilers. Part 1. Heating boilers with forced-draught burners. Terminology, general requirements, testing and marking	

41.	GOST R 54442-2011 (EN 303- 3:1998)	Heating boilers. Part 3. Gas-fired central heating boilers. An assembly consisting of a boiler body and a forced- draught burner. Requirements for thermal performance tests	
42.	Section 6 GOST R 54444-2011 (EN 303- 7:2006)	Heating boilers. Part 7. Boilers with forced-draught gas burners for central heating with a heat output not exceeding 1000 kW	

43.	Section 6 GOST R 54825-2011 (EN 677:1998)	Gas-fired central heating boilers. Specific requirements for condensing boilers with a rated heat output not exceeding 70 kW	
44.	Section 7 GOST R 54826-2011 (EN 483:1999)	Gas-fired central heating boilers. Type C boilers with a rated heat output not exceeding 70 kW	

45.	Section 8 GOST R 54829-2011 (EN 14394:2005+ A1:2008)	Heating boilers equipped with a forced- draught burner, with a rated heat output not exceeding 10 MW and a maximum operating temperature of 150YC	
8. Gas-fired catering equipment (stationary cooking boilers, kitchen cookers, cooking and roasting appliances, tilting frying pans, roasting pans, deep fryers, equipment for boiling and heating liquids, bain-maries for first and second courses)			
46	Articles 4, 5, 7 and 8, Annexes 2 and 3	Section 3 GOST 27441- 87 (ST SEV 5796-86)	Gas appliances for heat treatment of food for catering establishments. Classification, general technical requirements and test methods

47	Section 7 GOST R 55211-2012 (EN 203- 1:2005)	Gas-fired catering equipment. Part 1. Safety requirements and test methods	
48	Section 7 GOST R 55213-2012 (EN 203-2- 1:2005)	Gas-fired catering equipment. Part 2-1. Specific requirements. Open-flame burners and work burners	
49	Section 7 GOST R 55214-2012 (EN 203-2- 3:2005)	Gas-fired catering equipment. Part 2-3. Specific requirements. Cooking boilers	

50	Section 7 GOST R 55215-2012 (EN 203-2- 4:2005)	Gas-fired catering equipment. Part 2-4. Specific requirements. Roasting appliances	
51	Section 7 GOST R 55216-2012 (EN 203-2- 6:2005)	Gas-fired catering equipment. Part 2-6. Specific requirements. Hot-water heaters for beverages	
52	Section 7 GOST R 55217-2012 (EN 203-2- 8:2005)	Gas-fired catering equipment. Part 2-8. Specific requirements. Deep frying pans and cookware for preparing paella	

53	Section 7 GOST R 55218-2012 (EN 203-2- 9:2005)	Gas-fired catering equipment. Part 2-9. Specific requirements. Flame spreaders, bain-maries and frying pans	
54	Section 7 GOST R 55219-2012 (EN 203-2- 10:2007)	Gas-fired catering equipment. Part 2-10. Specific requirements. Lava grills	
55	Section 7 GOST R 55220-2012 (EN 203-2- 11:2006)	Gas-fired catering equipment. Part 2-11. Specific requirements. Pasta cooking boilers	

56	Section 7 GOST R 55221-2012 (EN 203-2- 2:2006)	Gas-fired catering equipment. Part 2-2. Specific requirements. Ovens	
57	Section 7 GOST R 55222-2012 (EN 203-2- 7:2007)	Gas-fired catering equipment. Part 2-7. Specific requirements. Roasting pans and spit grills	

9. Special-purpose industrial gas burners ("light" radiant heaters)

58	Articles 4, 5, 7 and 8, Annexes 2 and 3	Section 7 GOST R 54446-2011 (EN 419- 1:2009)	Gas luminous radiant heaters not intended for domestic use. Part 1. Safety requirements	
59		Section 7 GOST R 54447-2011 (EN 419- 2:2006)	Gas heaters for overhead radiant heating, not used domestically. Part 2. Efficient use of energy	

10. Enclosed gas radiant heaters ("dark" radiant heaters)

60	Articles 4, 5, 7 and 8, Annexes 2 and 3	Section 7 GOST R 54448-2011 (EN 416-1:2009)	Gas-fired tube radiant heaters with a single burner, not intended for domestic use. Part 1. Safety requirements	
61		Section 7 GOST R 54449-2011 (EN 416-2:2006)	Gas-fired tube radiant heaters with a single burner, not intended for domestic use. Part 2. Efficient use of energy	

11. Industrial gas-fired air heaters (recuperative and direct-fired), including air heaters with packaged forced-draught burners, air conditioners with built-in gas-fired air heaters, gas-fired heat generators for livestock buildings

62	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 4, 5 and 7 STB EN 621-2006	Gas-fired heat generators with forced convection for heating non-domestic premises, with a rated heat output not exceeding 300 kW, without a fan for supplying air to the combustion zone and/or discharging combustion products	
63		Section 7 GOST R 55202-2012 (EN 12669:2000)	Direct-fired gas air heaters for heating greenhouses and similar non-domestic premises	
64		Section 7 GOST R 55203-2012 (EN 525:2009)	Direct-fired gas air heaters with forced convection for heating non-domestic premises, with a rated heat output of up to 300 kW	

65	Section 7 GOST R 55204-2012 (EN 1020:2009)	Non-domestic gas-fired convective air heaters equipped with a fan for supplying combustion air or discharging combustion products, with a rated heat output not exceeding 300 kW	
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66	Section 6 GOST 32430- 2013 (EN 1596:1998)	Mobile and portable direct-fired air heaters for non-domestic use with forced convection, operating on liquefied petroleum gases. General technical requirements and test methods	
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67	GOST 32445-2013 (EN 621:2009)	Gas-fired heating air heaters for non-domestic use with forced convection, without an auxiliary fan for burners, with a rated heat output not exceeding 300 kW. General technical requirements and test methods	
68	Section 7 GOST EN 1196-2013	Gas-fired air heaters for domestic and non-domestic use. Additional requirements for condensing air heaters	

69	Sections 4 – 8 GOST 31851-2012	Industrial gas-using equipment. Air heaters. Test methods	
II. Monobloc automatic burners			
Industrial packaged gas and dual-fuel burners			
70	Articles 4, 5, 7 and 8, Annexes 2 and 3	Section 4 GOST 31850-2012 (EN 676:1996)	Automatic forced-draught gas burners. Technical safety requirements and test methods
71		GOST 29134-97	Industrial gas burners. Test methods
72		Sections 4 – 6 GOST 27824-2000	Industrial liquid-fuel burners. General technical requirements
73		STB EN 676-2012	Automatic forced-draught gas burners for combustion

74	Section 4 GOST R 50591-2013	Gas-consuming thermal units. Industrial gas burners. Limit values for NOx concentrations in combustion products	
III. Devices intended for incorporation into equipment			
1. Gas pressure regulators operating without an external energy source			
75	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 2 and 5 GOST 11881-76	Gas control systems. Regulators operating without an external energy source. General specifications
76		Section 7 GOST R 54823-2011 (EN 88-2:2007)	Pressure regulators and associated safety devices for gas appliances. Part 2. Regulators with an inlet pressure above 50 kPa and up to and including 500 kPa

77	Section 7 GOST R 54824-2011 (EN 88- 1:2007)	Pressure regulators and associated safety devices for gas appliances. Part 1. Regulators with an inlet pressure up to and including 50 kPa	
78	STB EN 88-1- 2012	Pressure regulators and safety devices for gas appliances. Part 1. Regulators with an inlet pressure up to 50 kPa	

79	CTБ EN 88-2-2012	Pressure regulators and safety devices for gas appliances. Part 2. Regulators with an inlet pressure above 500 mbar but not exceeding 5 bar	
2. Gas cylinder regulators			
80	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 1 – 3 GOST 21805-94	Pressure regulators for liquefied petroleum gases for pressures up to 1,6 MPa. General technical specifications
3. Automatic control devices and systems for gas burners and appliances (automatic ignition units and panels)			
81	Articles 4, 5, 7 and 8, Annexes 2 and 3	Sections 2 – 4 and 7 GOST R 52219-2012 (EN 298:2003)	Automatic control systems for gas burners and appliances. General technical requirements and test methods

4. Gas control, shut-off and safety fittings (automatic shut-off valves, pressure regulators, thermoelectric flame supervision devices, gas appliance taps, mechanical thermostats, multifunctional devices)

82	clauses 4, 5, 7 and 8, Annexes 2 and 3	Section 8 GOST 32028-2012 (EN 161:2001)	Automatic shut-off valves for gas burners and appliances. General technical requirements and test methods	
83		Section 7 GOST 32029-2012 (EN 257:1992)	Mechanical thermostats (temperature regulators) for gas appliances. General technical requirements and test methods	
84		Section 5 GOST 32032-2013 (EN 1106:2010)	Gas appliance taps. General technical requirements and test methods	
85		Section 8 GOST R 51843-2013 (EH 125:1991/A1:1996)	Flame supervision devices for gas appliances. Thermoelectric flame supervision devices. General technical requirements and test methods	

86	Section 7 GOST R 54823- 2011 (EH 88-2:2007)	Pressure regulators and safety devices connected to them for gas appliances. Part 2. Regulators with an inlet pressure above 50 kPa up to and including 500 kPa	
87	Section 7 GOST R 54824- 2011 (EH 88-1:2007)	Pressure regulators and safety devices connected to them for gas appliances. Part 1. Regulators with an inlet pressure up to and including 50 kPa	

88	Section 7 GOST R 55205- 2012 (EH 1854:2010)	Pneumatic- type pressure monitoring sensors for gas burners and appliances	
89	Section 6 GOST R 55206- 2012 (EH 12067- 1:1998)	Gas/air ratio regulators for gas burners and gas- consuming appliances. Part 1. Pneumatic- type regulators	
90	Section 7 GOST R 55207- 2012 (EH 12067- 2:2007)	Gas/air ratio regulators for gas burners and gas- consuming appliances. Part 2. Electronic-type regulators	

91	Section 6 GOST R 55208- 2012 (EH 1643:2000)	Automatic shut-off valve tightness control systems for gas burners and gas appliances	
92	Sections 6 – 8 GOST R 55209- 2012 (EH 13611:2007)	Safety, regulating and control devices for gas burners and gas appliances. General requirements	
93	STB EN 13611- 2012	Safety devices and control devices for gas burners and gas appliances. General technical requirements	

5. Flexible steel hose assemblies for gas burners and appliances

94	clauses 4, 5, 7 and 8, Annexes 2 and 3	Section 8 GOST R 52209-2004 (DIN 3384:1998-05)	Connections for gas burners and appliances. General technical requirements and test methods	
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