

Technical Regulations TR CU 020/2011

In accordance with Article 13 of the Agreement on Common Principles and Rules of 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 Technical Regulation of the Customs Union "Electromagnetic Compatibility of Technical Equipment" (TR CU 020/2011) (attached).

2. Invalidated by Decision No. 77 of the Board of the Eurasian Economic Commission dated 29.06.2021 (enters into force upon the expiry of 180 calendar days from the date of its official publication).

3. To establish that:

3.1. The Technical Regulation of the Customs Union "Electromagnetic Compatibility of Technical Equipment" (hereinafter referred to as the Technical Regulation) enters 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 Member State of the Customs Union, issued or adopted in respect of products that are subject to the Technical Regulation (hereinafter referred to as products) before the date of entry into force of the Technical Regulation, shall remain valid until the end of their validity period, but no later than 15 March 2015. The specified documents issued or adopted before the date of official publication of this Decision shall remain valid until the end 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 Member State of the Customs Union 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 Member State of the Customs Union shall be permitted, provided that documents on conformity assessment (conformity confirmation) of the products with the specified mandatory requirements, issued or adopted before the date of entry into force of the Technical Regulation, are available.

The specified products shall be marked with the national conformity mark (market circulation mark) in accordance with the legislation of a Member State of the Customs Union or 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 Union" in the corresponding grammatical case shall not be permitted.

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 shall be permitted during the shelf life (service life) of the products established in accordance with the legislation of a Member State of the Customs Union.

4. The Secretariat of the Commission, jointly with the Parties, shall prepare a draft Action Plan necessary for implementing 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 Belarusian Party, with the participation of the Parties and based on monitoring the results of application of the standards, shall 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, designate 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 15 days after the date of its official publication, unless the Parties declare the suspension of their approval of the Technical Regulation within that period.

Members of the Customs Union Commission:

From the Republic of Belarus	From the Republic of Kazakhstan	From the Russian Federation
S. Rumas	U. Shukeyev	I. Shuvalov

APPROVED
by Decision of the
Customs Union Commission
dated 9 December 2011 No. 879

TECHNICAL REGULATION OF THE CUSTOMS UNION TR CU 020/2011

Electromagnetic Compatibility of Technical Equipment

Note. Throughout the text, the words "This Technical Regulation of the Customs Union" and "this technical regulation of the Customs Union" in the corresponding grammatical case were replaced, respectively, with the words "This Technical Regulation" and "this Technical Regulation" in the corresponding grammatical case; the words "single customs territory of the Customs Union" in the corresponding grammatical case were replaced with the words "customs territory of the Union" in the corresponding grammatical case; and the words "single mark of product circulation on the market of Member States of the Customs Union" in the corresponding grammatical case were replaced with the words "single mark of product circulation on the market of the Union" in the corresponding grammatical case by Decision No. 91 of the Council of the Eurasian Economic Commission dated 10.06.2022 (enters into force upon the expiry of 180

calendar days from the date of its official publication).

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Foreword

1. This Technical Regulation was developed in accordance with the Agreement on Common Principles and Rules of Technical Regulation in the Republic of Belarus, the Republic of Kazakhstan and the Russian Federation dated 18 November 2010.

2. This Technical Regulation was developed for the purpose of establishing, in the customs territory of the Eurasian Economic Union (hereinafter referred to as the Union), uniform mandatory requirements for the application and observance of the electromagnetic compatibility of technical equipment, as well as ensuring the free movement of technical equipment placed on the market in the customs territory of the Union.

Note. Paragraph 2 is set out in the wording of Decision No. 91 of the Council of the Eurasian Economic Commission dated 10.06.2022 (enters into force upon the expiry of 180 calendar days from the date of its official publication).

3. Where other Technical Regulations of the Union (Customs Union) have been adopted with respect to technical equipment and establish requirements for such equipment, the technical equipment shall comply with the requirements of those Technical Regulations of the Union (Customs Union) whose scope covers such equipment.

Note. Paragraph 3 is set out in the wording of Decision No. 91 of the Council of the Eurasian Economic Commission dated 10.06.2022 (enters into force upon the expiry of 180 calendar days from the date of its official publication).

Article 1. Scope of Application

1. This Technical Regulation applies to technical equipment placed on the market in the customs territory of the Union that is capable of creating electromagnetic disturbances and/or whose operating quality depends on the effects of external electromagnetic disturbances.

2. This Technical Regulation does not apply:

to technical equipment:

used by manufacturers of other technical equipment as their component parts and not intended for independent use by the end consumer (user);

passive with regard to electromagnetic compatibility;

specifically intended to ensure safety in the field of atomic energy use;

used;

to medical devices;

to defense products intended to serve defense and security interests, including products supplied under the state defense order.

If requirements for electromagnetic compatibility have been established for specific classes, groups and types of technical equipment by other Technical Regulations of the Union (Customs Union) that have entered into force, this Technical Regulation shall cease to apply to such technical equipment from the date on which those Technical Regulations enter into force.

Note. Paragraph 2 is set out in the wording of Decision No. 91 of the Council of the Eurasian Economic Commission dated 10.06.2022 (enters into force upon the expiry of 180 calendar days from the date of its official publication).

3. This Technical Regulation establishes electromagnetic compatibility requirements for technical equipment in order to ensure, in the customs territory of the Union, the protection of human life and health and property, as well as the prevention of actions that mislead consumers (users) of technical equipment.

4. This Technical Regulation does not regulate relations associated with the use of the radio-frequency spectrum, which is regulated by the legislation of the Member States of the Union (hereinafter referred to as the Member States) in the field of communications.

Note. Paragraph 4 as amended by Decision No. 91 of the Council of the Eurasian Economic Commission dated 10.06.2022 (enters into force upon the expiry of 180 calendar days from the date of its official publication).

Article 2. Definitions

The following terms and their definitions are used in this Technical Regulation of the Customs Union:

apparatus – a structurally complete technical equipment having a housing (enclosure) and, where necessary, devices (ports) for external connections, intended for use by the consumer (user);

manufacturer – a legal entity or an individual as an individual entrepreneur that, in its own name, carries out the manufacture or manufacture and sale of technical equipment and is responsible for its compliance with the electromagnetic compatibility requirements of this Technical Regulation;

importer – a legal entity or an individual as an individual entrepreneur registered in the territory of a Member State in accordance with the procedure established by the legislation of that state, which has concluded a foreign trade contract with a foreign manufacturer (seller) for the transfer of products, carries out the placing of these products on the

market and/or their sale in the customs territory of the Union, and is responsible for the products' compliance with the requirements of the Technical Regulations;

component – a structurally complete part of technical equipment intended to be incorporated by the consumer (user) into an apparatus;

end consumer (user) – a legal entity or an individual using technical equipment for its intended use, not related to its incorporation into other technical equipment;

circulation of technical equipment on the market – the processes of transfer of technical equipment from the manufacturer to the consumer (user) in the customs territory of the Union, which the technical equipment undergoes after completion of its manufacture;

batch of technical equipment – a set of technical equipment of the same name and/or designation, manufactured within a specified period under the same production conditions and accompanied by one shipping document;

intended use – use of technical equipment in accordance with the intended purpose specified by the manufacturer on the technical equipment and/or in the operating documents; technical equipment – any electrical, electronic and radio-electronic product, as well as any product containing electrical and/or electronic components that may be classified as a component, apparatus or installation;

technical equipment passive with regard to electromagnetic compatibility – technical equipment which, by virtue of its design and functional characteristics, when used for its intended purpose without additional means of protection against electromagnetic disturbances, such as shielding or filtering, is incapable of generating electromagnetic disturbances that impair the functioning of communication equipment and

other technical equipment in accordance with their intended use, and is capable of functioning without degradation in quality when exposed to electromagnetic disturbances corresponding to the electromagnetic environment for use in which the technical equipment is intended (the types of technical equipment passive with regard to electromagnetic compatibility are specified in Annex 1 to this Technical Regulation of the Customs Union);

used technical equipment – technical equipment with one or more signs of use (contamination, external and internal dust, traces of exposure to extreme temperatures, liquids and sunlight, corrosion, patina, scuffing, scratches, dents and other damage, disturbed or modified pre-sale settings and programs, repaired or replaced assemblies, parts or components, missing seals, stops, plugs, protective coatings, enclosures, cases and other elements removed during use), which was used by the consumer (user) for its intended purpose, as confirmed by documentary evidence;

household technical equipment – technical equipment intended for use by the consumer (user) for purposes unrelated to production, trade or other commercial activities and whose operating documents do not prohibit its use in the household;

person authorised by the manufacturer – a legal entity or an individual registered in accordance with the established procedure by a Member State of the Customs Union, designated by the manufacturer under an agreement with it to carry out actions on its behalf in the conformity confirmation and placing of products on the customs territory of the Union, as well as to assume responsibility for the products' non-compliance with the requirements of the Technical Regulation of the Customs Union;

installation – a set of interconnected apparatuses and, where necessary, other products, intended for use by the consumer (user) as a product with

a single functional purpose and having a single set of technical documentation;

immunity to electromagnetic disturbance (immunity) – the ability of technical equipment to maintain the specified quality of functioning when exposed to external electromagnetic disturbances with regulated parameter values;

Electromagnetic Compatibility – the ability of technical equipment to function with the specified quality in a specified electromagnetic environment and not to create unacceptable electromagnetic disturbances for other technical equipment;

electromagnetic environment – the aggregate of electromagnetic phenomena and processes in a specified area of space;

electromagnetic disturbance – an electromagnetic phenomenon or process that reduces or may reduce the quality of functioning of technical equipment.

Note. Article 2 as amended by Decision No. 91 of the Council of the Eurasian Economic Commission dated 10.06.2022 (enters into force upon the expiry of 180 calendar days from the date of its official publication).

Article 3. Rules for Circulation on the Market

1. Technical equipment shall be placed on the market if it complies with this Technical Regulation of the Customs Union and with other Technical Regulations of the Union (Customs Union) applicable to it, provided that it has undergone conformity confirmation in accordance with Article 7 of this Technical Regulation of the Customs Union and with other Technical Regulations of the Union (Customs Union) applicable to it.

2. Technical equipment whose compliance with the requirements of this Technical Regulation of the Customs Union has not been confirmed shall not bear the single mark of product circulation on the market of the Member States of the Customs Union and shall not be permitted to be placed on the market.

3. Technical equipment not bearing the single mark of product circulation on the market of the Member States of the Customs Union shall not be permitted to be placed on the market.

Note. Article 3 as amended by Decision No. 91 of the Council of the Eurasian Economic Commission dated 10.06.2022 (enters into force upon the expiry of 180 calendar days from the date of its official publication).

Article 4. Electromagnetic Compatibility Requirements

Technical equipment shall be designed and manufactured in such a way that, when used for its intended purpose and when the requirements for installation, operation (use), storage, transportation and technical maintenance are complied with:

- electromagnetic disturbances generated by the technical equipment do not exceed the level ensuring the functioning of communication equipment and other technical equipment in accordance with their intended use;
- the technical equipment has a level of immunity to electromagnetic disturbances (immunity) ensuring its functioning in the electromagnetic environment for use in which it is intended.

The types of electromagnetic disturbances that may be generated by technical equipment and/or affect technical equipment are specified in Annex 2 to this Technical Regulation.

Note. Article 4 as amended by Decision No. 91 of the Council of the

Eurasian Economic Commission dated 10.06.2022 (enters into force upon the expiry of 180 calendar days from the date of its official publication).

Article 5. Requirements for Marking and Operating Documents

1. The name and/or designation of the technical equipment, its main parameters and characteristics, the name and/or trademark of the manufacturer, and the name of the country where the technical equipment was manufactured shall be affixed to the technical equipment.

At the same time, the name of the manufacturer and/or its trademark, and the name and designation of the technical equipment shall also be affixed to the packaging.

2. If the information specified in paragraph 1 of this Article cannot be affixed to the technical equipment, it may be indicated only in the operating documents accompanying the technical equipment. At the same time, the name of the manufacturer and/or its trademark, and the name and designation of the technical equipment (type, brand, model, if available) shall be affixed to the packaging.

3. The marking of the technical equipment shall be legible, easily readable, and affixed to the technical equipment in a place accessible for inspection without disassembly using a tool.

4. The operating documents for the technical equipment shall contain:

- the information listed in paragraph 1 of this Article;
- information on the intended use of the technical equipment;
- characteristics and parameters;

- rules and conditions for the installation of the technical equipment, its connection to the electrical network and other technical equipment, start-up, adjustment, and commissioning, if compliance with these rules and conditions is necessary to ensure that the technical equipment complies with the requirements of this Technical Regulation of the Customs Union;
- information on restrictions on the use of the technical equipment, taking into account its intended use in residential, commercial, and industrial areas;
- rules and conditions for safe operation (use);
- rules and conditions for installation, storage, transportation (carriage), sale, and disposal, if necessary;
- information on the measures to be taken upon detection of a malfunction of the technical equipment;
- the name and location of the manufacturer (person authorised by the manufacturer) and importer, and contact information for them;
- the month and year of manufacture of the technical equipment and/or information on the place where the year of manufacture is indicated and the method for determining it.

5. Operating documents shall be prepared in Russian and, where the legislation of the Member State so requires, in the state language (state languages) of the Member State in whose territory the technical equipment is sold. Alphabetic trademarks, proper names, names of populated localities, and other names and particulars in operating documents may be provided in other languages. Units of measurement may be provided using their international designations.

Information on household technical equipment specified in paragraph 4 of this Article shall be provided in hard copy. A set of operating documents on electronic media may be supplied with household technical equipment.

Operating documents included in the set of non-household technical equipment may be provided exclusively on electronic media.

If the volume of the information specified in paragraph 4 of this Article permits, the operating documents need not be prepared, and the information may be indicated directly on the technical equipment or its packaging.

Footnote. Article 5 as amended by Decision No. 91 of the Council of the Eurasian Economic Commission dated 10.06.2022 (enters into force upon the expiry of 180 calendar days from the date of its official publication).

Article 6. Ensuring Compliance with Electromagnetic Compatibility Requirements

1. Compliance of technical equipment with this Technical Regulation of the Customs Union shall be ensured either by directly fulfilling its electromagnetic compatibility requirements or by fulfilling the requirements of the standards included in the List of international and regional (interstate) standards or, in their absence, national (state) standards, the application of which on a voluntary basis ensures compliance with the requirements of this Technical Regulation.

2. The methods for research (tests) and measurements of technical equipment shall be established in the standards included in the List of international and regional (interstate) standards or, in their absence, national (state) standards containing rules and methods for research (tests) and measurements, including sampling rules, necessary for applying and fulfilling the requirements of this Technical Regulation and

conducting conformity assessment of technical regulation objects and products.

Footnote. Article 6 as amended by Decision No. 91 of the Council of the Eurasian Economic Commission dated 10.06.2022 (enters into force upon the expiry of 180 calendar days from the date of its official publication).

Article 7. Conformity Confirmation

1. Before placing on the market, technical equipment shall undergo conformity confirmation with the electromagnetic compatibility requirements of this Technical Regulation of the Customs Union.

Conformity confirmation of technical equipment shall be carried out according to the schemes established in this Technical Regulation of the Customs Union, in accordance with the Regulation on the Procedure for Applying Standard Conformity Assessment (Confirmation) Schemes in the Technical Regulations of the Customs Union, approved by the Commission.

2. Technical equipment included in the List set out in Annex 3 to this Technical Regulation of the Customs Union shall be subject to conformity confirmation in the form of certification (schemes 1c, 3c, 4c).

Technical equipment not included in the said List shall be subject to conformity confirmation in the form of conformity declaration (schemes 1d, 2d, 3d, 4d, 6d). The conformity declaration scheme for technical equipment not included in the List shall be selected by the manufacturer (person authorised by the manufacturer) or importer.

By decision of the manufacturer (person authorised by the manufacturer) or importer, conformity confirmation of technical equipment not included in the List may be carried out in the form of certification in accordance with paragraph 5 of this Article.

If the standards specified in paragraph 1 of Article 6 of this Technical Regulation of the Customs Union are not applied, or if they are absent, conformity confirmation of technical equipment shall be carried out in the form of certification (schemes 1c, 3c, 4c) in accordance with paragraph 10 of this Article.

3. Certification of serially manufactured technical equipment shall be carried out under scheme 1c. The manufacturer (person authorised by the manufacturer) shall submit the technical equipment for certification.

Certification of a batch of technical equipment shall be carried out under scheme 3c, and of a single product under scheme 4c. A batch of technical equipment (single product) manufactured in the customs territory of the Union shall be submitted by the manufacturer; a batch of technical equipment (single product) imported into the customs territory of the Union shall be submitted by the importer or manufacturer (person authorised by the manufacturer).

4. Certification of technical equipment shall be carried out by a certification (conformity assessment (confirmation)) body included in the Unified Register of Conformity Assessment Bodies of the Union.

Testing for certification purposes shall be carried out by an accredited testing laboratory (center) included in the Unified Register of Conformity Assessment Bodies of the Union.

5. When carrying out certification of technical equipment (schemes 1c, 3c, 4c):

5.1. the manufacturer (person authorised by the manufacturer) or importer shall provide the certification (conformity assessment (confirmation)) body with a set of documents for the technical equipment confirming its compliance with the electromagnetic compatibility requirements of this Technical Regulation of the Customs Union, including:

- technical specifications (if available);
- operating documents;
- the List of Standards with which the technical equipment must comply, from the List of Standards specified in paragraph 1 of Article 6 of this Technical Regulation of the Customs Union;
- contract (supply agreement) or shipping

documentation (for a batch of technical equipment (single product) (schemes 3c, 4c);

5.2. the manufacturer shall take all necessary measures to ensure that the production process is stable and ensures that the manufactured technical equipment complies with the requirements of this Technical Regulation of the Customs Union;

5.3. the certification (conformity assessment (confirmation)) body:

5.3.1. shall carry out sampling;

5.3.2. shall identify the technical equipment by establishing the identity of its characteristics with the features established in Article 1 of this Technical Regulation of the Customs Union, the provisions established in Article 5 of this Technical Regulation of the Customs Union, and the documents listed in paragraph 5.1 of paragraph 5 of this Article;

5.3.3. shall arrange for testing of the technical equipment sample (samples) for compliance with the requirements of the standards from the List of Standards specified in paragraph 1 of Article 6 of this Technical Regulation of the Customs Union, and shall analyse the test report (reports);

5.3.4. shall carry out production status analysis (scheme 1c).

If the manufacturer has a certified quality management system for the production or development and production of technical equipment, it shall assess whether that system can ensure the stable production of certified technical equipment complying with the requirements of this Technical Regulation of the Customs Union;

5.3.5. shall issue a certificate of conformity in the unified form approved by the Commission. The validity period of the certificate of conformity for serially manufactured technical equipment shall not exceed 5 years; no validity period shall be established for the certificate of conformity for a batch of technical equipment (single product);

5.4. the manufacturer (person authorised by the manufacturer) or importer:

5.4.1. shall affix the single mark of product circulation on the market of the Member States of the Customs Union;

5.4.2. after completion of conformity confirmation, shall compile a set of documents for the technical equipment, including:

- the documents specified in subparagraph 5.1 of this paragraph;
- test report (reports);
- the results of the production status analysis;
- certificate of conformity.

5.5. the certification (conformity assessment (confirmation)) body shall carry out inspection control of the certified technical equipment by testing samples in an accredited testing laboratory (center) and (or) conducting production status analysis (scheme 1c);

6. Conformity declaration for technical equipment (schemes 1d, 2d, 3d, 4d, 6d) shall be carried out on the basis of:

6.1. own evidence (schemes 1d, 2d):

- testing of the technical equipment (for a batch of technical equipment or a single product) (scheme 2d);
- testing of the technical equipment and production control by the manufacturer (for serially manufactured technical equipment) (scheme 1d);

6.2. evidence obtained with the participation of an accredited testing laboratory (center) and a quality management system certification body included in the Unified Register of Certification Bodies and Testing Laboratories (Centers) of the Customs Union (schemes 3d, 4d, 6d):

- testing of the technical equipment (for a batch of technical equipment or a single product) (scheme 4d);
- testing of the technical equipment and production control by the manufacturer (for serially manufactured technical equipment) (scheme 3d);
- testing of the technical equipment, certification of the quality management system for the production or development and production of technical equipment, and production control by the manufacturer (for serially manufactured technical equipment) (scheme 6d).

6.3. Conformity declaration for serially manufactured technical equipment shall be carried out by the manufacturer (person authorised by the manufacturer) under schemes 1d, 3d, 6d.

Conformity declaration for a batch of technical equipment (single product) shall be carried out by the manufacturer (person authorised by the

manufacturer) or importer under schemes 2d, 4d.

7. When conformity declaration for technical equipment is carried out under schemes 1d, 2d:

7.1. the manufacturer (person authorised by the manufacturer) or importer:

7.1.1. shall compile a set of documents confirming that the technical equipment complies with the requirements of this Technical Regulation of the Customs Union, including:

- technical specifications (if available);
- operating documents; the List of Standards with which the technical equipment complies, from the List of Standards specified in paragraph 1 of Article 6 of this Technical Regulation of the Customs Union;
- test report (reports) issued by a testing laboratory (center) selected by the manufacturer (person authorised by the manufacturer) or importer;
- certificate of conformity (if available);
- manufacturer's declaration of conformity (if available) (for a batch of technical equipment (single product) (scheme 2d);
- contract (supply agreement) or shipping

documentation (for a batch of technical equipment or a single product) (scheme 2d);

7.1.2. shall identify the technical equipment by establishing the identity of its characteristics with the features established in Article 1 of this Technical Regulation of the Customs Union, the provisions established in Article 5 of this Technical Regulation of the Customs Union, and the

documents listed in paragraph 7.1.1 of paragraph 7.1 of this Article;

7.2. the manufacturer shall carry out production control and take all necessary measures to ensure that the production process ensures that the technical equipment complies with the requirements of this Technical Regulation of the Customs Union (scheme 1d).

The requirements for production and control processes, as well as the results of their control, shall be documented (in the form established by the manufacturer);

7.3. the manufacturer (person authorised by the manufacturer) or importer:

7.3.1. shall accept a written declaration of conformity of the technical equipment with this Technical Regulation of the Customs Union in the unified form approved by the Commission and affix the single mark of product circulation on the market of the Member States of the Customs Union;

7.3.2. after completion of conformity confirmation, shall include the declaration of conformity in the set of documents for the technical equipment specified in subparagraph 7.1.1 of this paragraph.

8. When conformity declaration for technical equipment is carried out under schemes 3d, 4d, 6d:

8.1. the manufacturer (person authorised by the manufacturer) or importer:

8.1.1. shall compile a set of documents for the technical equipment, including:

- technical specifications (if available);

- operating documents;
- the List of Standards with which the technical equipment must comply, from the List of Standards specified in paragraph 1 of Article 6 of this Technical Regulation of the Customs Union;
- contract (supply agreement) or shipping

documentation (for a batch of technical equipment or a single product) (scheme 4d);

- certificate of conformity for the quality management system for the production or development and production of technical equipment (scheme 6d);

8.1.2. shall identify the technical equipment by establishing the identity of its characteristics with the features established in Article 1 of this Technical Regulation of the Customs Union, the provisions established in Article 5 of this Technical Regulation of the Customs Union, and the documents listed in paragraph 8.1.1 of paragraph 8.1 of this Article;

8.1.3. shall arrange for testing of the technical equipment sample (samples) for compliance with the requirements of the standards from the List of Standards specified in paragraph 1 of Article 6 of this Technical Regulation of the Customs Union;

8.2. the manufacturer:

carries out production control and takes all necessary measures to ensure that the production process ensures the technical equipment's compliance with the requirements of this Technical Regulation of the Customs Union (schemes 3d, 6d). The requirements for production and control processes, as well as the results of their control, must be documented (in the form established by the manufacturer);

takes all necessary measures to ensure that the production process and the stable functioning of the quality management system for the production or development and production ensure the technical equipment's compliance with the requirements of this Technical Regulation of the Customs Union (scheme 6d);

8.3. manufacturer (person authorised by the manufacturer), importer:

8.3.1. adopts the declaration of conformity of the technical equipment with this Technical Regulation of the Customs Union, drawn up in writing in the unified form approved by the Commission, and affixes the single mark of product circulation on the market of the Member States of the Customs Union;

8.3.2. after completion of conformity confirmation, compiles a set of documents for the technical equipment, including:

- the documents stipulated in subparagraph 8.1.1 of paragraph 8.1 of this Article;
- test report(s);
- declaration of conformity.

9. The declaration of conformity is subject to registration in accordance with acts forming part of Union law. The declaration becomes effective from the date of its registration.

The validity period of the declaration of conformity for technical equipment manufactured in serial production is no more than 5 years; for a batch of technical equipment (single product), the validity period of the declaration of conformity is not established.

10. When certification of technical equipment is carried out, where the standards from the List of Standards specified in paragraph 1 of Article 6

of this Technical Regulation of the Customs Union are not applied, or where they are absent (schemes 1c, 3c, 4c):

10.1. the manufacturer (person authorised by the manufacturer), importer provides the certification body (conformity assessment (confirmation) body) with a set of documents for the technical equipment confirming the technical equipment's compliance with the electromagnetic compatibility requirements of this Technical Regulation of the Customs Union, including:

- technical specifications (if available);
- operating documents;
- a description of the technical solutions adopted confirming compliance with the electromagnetic compatibility requirements of this Technical Regulation of the Customs Union;
- a contract (supply contract) or shipping documentation (for a batch of technical equipment (single product) (schemes 3c, 4c);

10.2. the manufacturer takes all necessary measures to ensure that the production process is stable and ensures that the technical equipment manufactured complies with the requirements of this Technical Regulation of the Customs Union;

10.3. the certification body (conformity assessment (confirmation) body):

10.3.1. carries out sampling;

10.3.2. carries out identification of the technical equipment by establishing the identity of its characteristics to the features established in Article 1 of this Technical Regulation of the Customs Union, the provisions established by Article 5 of this Technical Regulation of the Customs Union, and the documents listed in subparagraph 10.1 of paragraph 10 of this Article;

10.3.3. carries out conformity confirmation of the technical equipment directly against the electromagnetic compatibility requirements of this Technical Regulation of the Customs Union.

In doing so, the certification body (conformity assessment (confirmation) body):

- based on the electromagnetic compatibility requirements of this Technical Regulation of the Customs Union and the conditions of the electromagnetic environment for application in which the technical equipment is intended, determines the specific electromagnetic compatibility requirements for the technical equipment being certified;
- analyses the technical solutions adopted and implemented by the manufacturer confirming compliance with the electromagnetic compatibility requirements of this Technical Regulation of the Customs Union;
- determines from the List of Standards specified in paragraph 2 of Article 6 of this Technical Regulation of the Customs Union the standards establishing measurement and testing methods or, in their absence, determines the control, measurement and testing procedures for confirming the technical equipment's compliance with the specific electromagnetic compatibility requirements;
- arranges for testing of the technical equipment and analyses the test report(s);

10.3.4. carries out production status analysis (scheme 1c);

Where the manufacturer has a certified quality management system for the production or development and production of technical equipment, it assesses whether this system can ensure the stable production of certified technical equipment complying with the requirements of this Technical

Regulation of the Customs Union;

10.3.5. issues a certificate of conformity in the unified form approved by the Commission.

The validity period of the certificate of conformity for technical equipment manufactured in serial production is no more than 5 years; for a batch of technical equipment (single product), the validity period of the certificate of conformity is not established;

10.4. manufacturer (person authorised by the manufacturer), importer:

10.4.1. affixes the single mark of product circulation on the market of the Member States of the Customs Union;

10.4.2. after completion of conformity confirmation, compiles a set of documents for the technical equipment, including:

- the documents stipulated in subparagraph 10.1 of this paragraph;
- test report(s);
- the results of production status analysis;
- certificate of conformity;

10.5. the certification body (conformity assessment (confirmation) body) carries out inspection control of certified technical equipment by testing samples in an accredited testing laboratory (centre) and/or conducting production status analysis (scheme 1c).

11. When confirming the conformity of fixed installations, at the manufacturer's decision, an expert examination of the technical Documentation for ensuring electromagnetic compatibility is carried out, and calculation and experimental methods are also applied, the

documented results of which must be included in the set of documents for the technical equipment.

12. The set of documents for the technical equipment must be kept in the territory of the Member State for:

- technical equipment – by the manufacturer (person authorised by the manufacturer) for at least 10 years from the date of its removal from production (discontinuation);
- a batch of technical equipment – by the importer or person authorised by the manufacturer for at least 10 years from the date of sale of the last product from the batch.

Note. Article 7 was amended by Decision No. 91 of the Council of the Eurasian Economic Commission dated 10.06.2022 (enters into force upon expiry of 180 calendar days from the date of its official publication).

Article 8. Marking with the single mark of product circulation on the market of the Member States of the Customs Union

1. Technical equipment complying with the electromagnetic compatibility requirements of this Technical Regulation of the Customs Union and having undergone the conformity confirmation procedure in accordance with Article 7 of this Technical Regulation of the Customs Union must 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 is affixed before the technical equipment is placed on the market.

3. The single mark of product circulation on the market of the Member States of the Customs Union is affixed to each item of technical equipment by any method ensuring a clear and legible image throughout the entire service life of the technical equipment, and is also included in the operating documents supplied with it.

4. The single mark of product circulation on the market of the Member States of the Customs Union may be affixed only to the packaging of the technical equipment and in the operating documents supplied with it if it is impossible to affix it directly to the technical equipment.

5. Technical equipment is marked with the single mark of product circulation on the market of the Member States of the Customs Union when it complies with the requirements of all Union (Customs Union) Technical Regulations applicable to it and providing for the affixing of this mark.

Note. Article 8 was amended by Decision No. 91 of the Council of the Eurasian Economic Commission dated 10.06.2022 (enters into force upon expiry of 180 calendar days from the date of its official publication).

Article 9. Safeguard clause

Note. Article 9 was repealed by Decision No. 91 of the Council of the Eurasian Economic Commission dated 10.06.2022 (enters into force upon expiry of 180 calendar days from the date of its official publication).

Annex 1
to the Technical Regulation
of the Customs Union
"Electromagnetic Compatibility
of Technical Equipment" (TR CU 020/2011)

Types of technical equipment passive with regard to electromagnetic compatibility to which the Technical

Regulation of the Customs Union "Electromagnetic Compatibility of Technical Equipment" (TR CU 020/2011) does not apply

1. Wires, cords, cables and cable assemblies.
2. Technical equipment containing only a resistive load and having no automatic switching devices, for example, household electric heaters without thermostats or fans.
3. Electric batteries and accumulators, and equipment powered by them, without active electronic circuits.

Note. Paragraph 3 was amended by Decision No. 91 of the Council of the Eurasian Economic Commission dated 10.06.2022 (enters into force upon expiry of 180 calendar days from the date of its official publication).

4. Headphones and loudspeakers without amplification functions.
5. Protective equipment generating short-duration transient electromagnetic disturbances (much less than 1c) as a result of activation during a short circuit or abnormal condition in an electrical circuit, and containing no fuses (emergency shutdown devices) with active electronic components.
6. High-voltage equipment in which possible sources of electromagnetic disturbances are caused only by localized insulation defects (for example, high-voltage inductors, high-voltage transformers), provided that the said equipment contains no active electronic components.
7. Capacitors, for example, capacitors for power factor correction.
7. Induction motors. Quartz clocks (without additional functions, for example, radio reception).
9. Incandescent lamps.

10. Plugs, sockets, fuses, switches and circuit breakers without active electronic circuits.

11. Passive antennas for receiving radio and television broadcasts.

Annex 2
to the Technical Regulation
of the Customs Union
"Electromagnetic Compatibility
of Technical Equipment" (TR CU 020/2011)

Types of electromagnetic disturbances that may be generated by technical equipment and (or) affect technical equipment

Footnote. The title of Appendix 2 was amended by Decision of the Council of the Eurasian Economic Commission dated 10.06.2022 No. 91 (enters into force upon the expiry of 180 calendar days from the date of its official publication).

1. Low-frequency conducted electromagnetic disturbances:

- steady-state deviations of the power supply voltage;
- distortion of the sinusoidal waveform of the power supply voltage;
- voltage unbalance in three-phase power supply systems;
- power supply voltage fluctuations;
- dips, interruptions and surges of the power supply voltage;
- frequency deviations in power supply systems;
- signal voltages transmitted in power supply systems;
- direct-current components in AC power supply networks;

- induced low-frequency voltages.

2. Low-frequency radiated electromagnetic disturbances:

- magnetic fields;

- electric fields.

3. High-frequency conducted electromagnetic disturbances, including industrial radio disturbances:

- voltages or currents representing continuous oscillations;

- voltages or currents representing transients (aperiodic and oscillatory).

4. High-frequency radiated electromagnetic disturbances, including industrial radio disturbances:

- magnetic fields;

- electric fields;

- electromagnetic fields, including those caused by continuous oscillations and transients.

5. Electrostatic discharges.

Appendix 3

**to the Technical Regulation of the
Customs Union**

**"Electromagnetic Compatibility of
Technical Equipment" (TR CU 020/2011))**

List of technical equipment subject to conformity confirmation in the form of certification in accordance with the Technical

Regulation of the Customs Union "Electromagnetic Compatibility of Technical Equipment" (TR CU 020/2011)

1. Electrical household apparatus and appliances:

- for the preparation and storage of food and mechanisation of kitchen work;
- for processing (washing, ironing, drying, cleaning) laundry, Clothing and Footwear;
- for cleaning and tidying premises;
- sanitary and hygienic;
- for maintaining and regulating the microclimate in premises;
- for hair, nail and skin care;
- for heating the body;
- vibratory massage;
- gaming, sports and exercise equipment;
- audio and video equipment, television and radio broadcasting receivers;
- sewing and knitting;
- power supply units, chargers, voltage stabilisers;
- for gardening and horticulture;
- electric pumps;
- lighting equipment;

- automatic circuit breakers with electronic control;
- residual-current devices with electronic control;
- arc welding equipment.

2. Personal computers (personal computers):

personal computers, including system units;

cash registers, including those operating jointly with a computer.

Footnote. Paragraph 2 as amended by Decision of the Council of the Eurasian Economic Commission dated 10.06.2022 No. 91 (enters into force upon the expiry of 180 calendar days from the date of its official publication).

3. Household and office technical equipment connected to personal computers:

scanners, printers and copiers (including multifunction devices);

monitors;

uninterruptible power supplies;

active speaker systems powered from an AC mains supply;

multimedia projectors.

Footnote. Paragraph 3 as amended by Decision of the Council of the Eurasian Economic Commission dated 10.06.2022 No. 91 (enters into force upon the expiry of 180 calendar days from the date of its official publication).

APPROVED
by Decision of the Customs Union Commission

dated 9 December 2011 No. 879, as amended by
Decision of the Board
of the Eurasian Economic Commission
dated 3 February 2015 No. 8

**List of
standards, the application of which on a
voluntary basis ensures compliance with the requirements
of the Technical Regulation of the Customs Union
"Electromagnetic
Compatibility of Technical Equipment" (TR CU 020/2011)**

Footnote. The List of Standards was invalidated by Decision of the Board of the Eurasian Economic Commission dated 29.06.2021 No. 77 (enters into force upon the expiry of 180 calendar days from the date of its official publication).

APPROVED
by Decision of the Customs Union Commission
dated 9 December 2011 No. 879
(as amended by Decision of the Board
of the Eurasian Economic Commission
dated 3 February 2015 No. 8)

**List of
standards containing rules and methods for
research (tests) and measurements, including rules for
sampling, necessary for the application and
implementation
of the requirements of the Technical Regulation of the
Customs Union
"Electromagnetic Compatibility of Technical Equipment"
(TR
CU 020/2011) and for conducting conformity assessment**

(confirmation) of products

Footnote. The List of Standards was invalidated by Decision of the Board of the Eurasian Economic Commission dated 29.06.2021 No. 77 (enters into force upon the expiry of 180 calendar days from the date of its official publication).

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