



EU-Korea FTA User Guide for Electromagnetic Compatibility (EMC) and Electric Safety Certification

**EU-Korea FTA User Guide for Electromagnetic Compatibility
(EMC) and Electric Safety Certification**

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1. Introduction

1.1. General Information

Widespread use of international standards and flexible approval procedures are key elements for the industry in making best use of global supply chains, economies of scale, and fast-paced innovation. The EU and Korea apply generally similar requirements, largely based on international standards.

However, in the past, EU manufacturers often had to undergo double certification procedures in order to be able to export their products to the Korean market. Indeed, electrical machines, parts, and electronic appliances needed to obtain a pre-market certification approval from officially recognized conformity assessment bodies (CAB) in Korea. These procedures have been burdensome, time-consuming and costly.

With the recognition of these technical barriers, the EU and Korea realized the need to further relying on the use of international standards, so as to better adapt to the existence of global supply chains, perform economies of scale, and provide an innovation friendly environment.

The EU-Korea FTA entered in to force on July 2011 and has established a regime that eases certification procedures for electrical and electronic products.

1.2. Aim and Scope

The [Annex 2-B of the EU-Korea FTA](#) on electronics¹ aims at simplifying the testing and conformity assessment processes of EU electric products exported to Korea, with a view to avoiding partially or ideally fully the duplication of certification procedures.

Annex 2-B covers **Electromagnetic Compatibility (EMC)** and **Electrical Safety** certification procedures for EU electrical and electronic equipment, professional electrotechnical equipment, electrical household appliances and consumer electronics defined in Appendix 2-B-1. However, other certification procedures, for example on specific absorption rate (SAR), telecommunication standards, or energy efficiency, to name just a few, are not covered by the FTA and should be tested according to Korean law.

¹ OJEU L 127, 14.05.2011, page 1134

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Category	Target equipment		Applied conformity assessment criteria				
			EMC	SAFETY	RADIO	WIRE	SAR
Radio equipment	Mobile(2G, 3G)	Portable device	○	○	○		○
		the rest device	○	○	○		
	Radiotelegraph(incl, TRS)		○	○	○		
	Device of radio equipment for WiBro		○	○	○		
	Device of radio equipment for LBS		○	○	○		
	Low-power radio device		Covered in FTA		Non-covered in FTA		
	RFID/USN device		- testing in EU		○	- testing in Korea ○	
Wire Equipment	telephone(incl, VoIP)		○	○		○	
	Fax machine		○	○		○	
	Private Branch Exchange (PBX)		○	○		○	
Multifunction equipment (Radio+Wire)	Cordless phone		○	○	○	○	
	Wireless modem		○	○	○	○	

Figure 1: Example of compulsory certification procedures in Korea for certain communication equipment showing which elements are covered by the FTA and which are not covered (Radio Research Agency, 2013)

Annex 2-B contains commitments by the EU and Korea to further harmonize and align respective domestic EMC and electric safety technical requirement with international ones (see notably Articles 1 and 2) and to allow that, in most situations, tests of products can be conducted either in-house by producers or in laboratories of the country of production (see notably Article 3).

1.3. Definitions

Electromagnetic Compatibility is usually defined as the guarantee that a device or system is able to function satisfactorily in a normal electromagnetic environment without unduly interfering with or disturbing the proper functioning of other devices.

Electrical Safety certification of electrical and electronic devices or systems aims at protecting consumers and users from hazards and accidents such as fire, electrical shock or injury.

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1.4. Agencies in charge and relevant legislation in Korea

	Electric Safety	Electromagnetic Compatibility
Agency	Korean Agency for Technology and Standards (KATS)	Korea Communications Commission (KCC), Radio Research Agency (RRA)
Relevant Legislation	<p>Electrical Appliances Safety Control Act (EASCA)</p> <ul style="list-style-type: none"> - Korean version - Official translation provided by Korea Certification Agency (KCA) <p>Enforcement Regulations of the Electric Safety Control Act</p> <ul style="list-style-type: none"> - Korean version - in-house translation (just for reference, no legal value) 	<p>Radio Waves Act</p> <ul style="list-style-type: none"> - Korean version - Unofficial translation by KCC <p>Framework Act on Telecommunications</p> <ul style="list-style-type: none"> - Korean version <p>Enforcement Regulations of Radio Waves Act</p> <ul style="list-style-type: none"> - Korean version <p>Public Notification on Conformity Assessment for Broadcasting and Communications Equipment</p> <ul style="list-style-type: none"> - Korean version - in-house translation (just for reference, no legal value) <p>Radio Research Agency Notification on the Conformity Assessment of Telecommunication Equipment</p> <p>KCC Notification on the Mutual Agreement on Conformity Assessment in areas of Telecommunications Equipment in accordance with the FTA between EU and Korea</p> <ul style="list-style-type: none"> - Korean version - in-house translation (just for reference, no legal value)

1.5. Marking

Pursuant to the Electrical Appliances Safety Control Act, Radio Waves Act, and the Framework Act on Telecommunications, all products should bear the KC mark before entering the Korean Customs Clearance. The mark must be visible on the product wrapping as well as the product itself. It must be printed or engraved and must not fall off. Such marking aims at informing and reassuring consumers that the product meets Korean EMC and electric safety requirements.

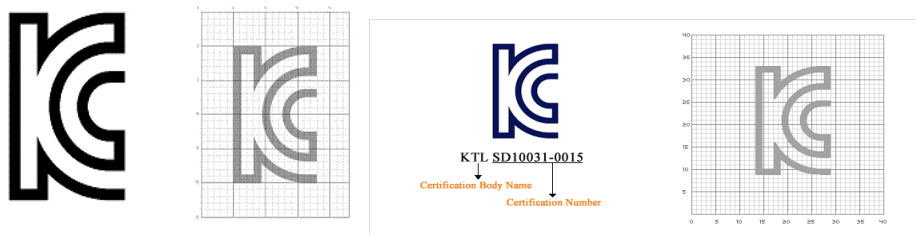


Figure 2: KC mark (EU DEL, 2013)

2. Electric Safety Certification

2.1. Korean Regulations and Standards for Electric Safety

Korean regulations, standards and practices for electric safety certification define the regime applicable to EU imports of electric and electronic products (see legal references in paragraph 1.4 above). Importers are invited to check these pieces of legislation in their original Korean version in order to be sure to comply with the Korean law. These regulations, standards and practices should comply with commitments of Annex 2-B of the EU-Korea FTA in view to ease certification procedures and avoid duplication as much as possible.

In line with Article 2 of Annex 2-B, the Korean technical requirements for electric safety are in most cases aligned with international standards (e.g. ISO or IEC). As EU technical requirements for electric safety are also in most cases aligned with international standards, this should ensure that obligations are the same in the EU and in Korea as a rule. However some deviations may exist for certain products. European manufacturers should therefore review the Korean legislation and make sure that their products comply with Korean technical requirements.

See in [Annex 1](#) the list of relevant Korean technical requirements and standards and the equivalent list of international standards on Electric Safety. This list may evolve as the Korean law changes. It is therefore provided only for indicative purposes and the manufacturer should check the Korean law.

2.2. Conformity assessment procedures for Electric Safety

Complying with relevant technical requirements for electric safety is one part of the obligations that imported products must comply with. But it is also necessary to prove to Korean authorities and/or users and consumers that they do so. This is what is usually called the "conformity assessment procedures".

Article 3 of the Enforcement Regulations of the Electric Appliances Safety Control Act (ER-EASCA) establishes 3 different conformity assessment procedures for electric safety in Korea. Each product in the scope of the EASCA falls in one of these 3 procedures, depending on how high the Korean authorities have judged that the risk to human health is.

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Conformity assessment procedures	Level of risk (according to Korean authorities)	Main features of the procedure	Examples of products covered
Supplier's confirmation of conformity Article 3 (b) (i)	Low	<p>Products are tested in-house by the producer who is responsible for ensuring compliance with relevant technical requirements.</p> <p>The importer must keep test results for 5 years.</p> <p>This is the simplest regime.</p>	<p>Certain audio and video appliances (e.g. videotape players, video cameras, tuner, radio receiver, receive, voice recorder, etc).</p> <p>Certain information and office machines (scanner, bill counting machine, electric scale, cash register, language practicing machine, etc).</p> <p>Air cleaner, rechargeable power tool, smart phones, etc.</p>
Self-Regulatory Safety Confirmation Article 3 (b) (ii) (iii)	Medium	<p>Products must be tested in an independent laboratory and the importer must submit results to a Korean designated certification agency.</p> <p>But, for products originating in the EU, the laboratory in which tests are done can be an EU laboratory (which, for all products, must be recognized under the IECEE CB scheme (check the EU members within the list of members of IECEE) or must have a Mutual Recognition Agreement for test reports with a Korean laboratory; in addition to this, broadband and communication equipment can also be tested in "notified EU laboratories").</p>	<p>Control device for electric appliances.</p> <p>Certain audio and video appliances (TV, video monitor, editor, disk player, amplifier, audio system, electric instrument, etc).</p> <p>Certain electric appliances (fruit peeler, potato peeler, electric bread cutter, electric bed, game device, etc).</p> <p>Certain lighting equipment.</p>

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Safety Certification System	High	Products must be tested in a designated Korean testing agency (see paragraph 2.2.3 below).	Electric wire and power cord, switches, capacitor and power filter, fuses, transformers, heating appliances, electric kitchen appliances, etc.
Article 4.2 (b)		This is the most stringent regime.	

Figure 3: Overview of certification schemes on Electric Safety (EU DEL, 2013)

You can find in [Annex 3](#) the comprehensive list of products and corresponding conformity assessment procedures for Electric Safety in the Korean law. Note that this is an in-house English translation of the Korean law which may evolve. Importers are therefore asked to double-check the latest version of the original Korean law to be sure to be up to date.

2.2.1. Supplier's Confirmation of Conformity procedure

The Supplier's Confirmation of Conformity procedure is defined in Article 3.3 of ER-EASCA and based on the concept of the Supplier's Declaration of Conformity. [For the products](#) falling in its scope, manufacturers are responsible for conducting in-house tests and complying with relevant Korean legislation and standards.

Pursuant to Article 25-5 of ER-EASCA, manufacturers shall conduct testing for each model of the electrical appliance, produce the following documents and keep them in-house for five years from the date of manufacture:

- A document covering product description and photos of the product
- A result report of the tests of electric appliance including the following elements: rating , electric circuit diagram, list of parts and materials subject to safety control, indications including instructions for use or warnings, date and place of product test, and the name and organization of the person performing the test.
- a [Certificate of Supplier's Conformity](#) (note that the form provided here is an in-house English translation of the Korean form with no legal value ; the original Korean version of the form attached to the Korean legislation must be used).

2.2.2. Self-Regulatory Safety Confirmation procedure

The Self-Regulatory Safety Confirmation procedure is defined in Article 3.2 of ER-EASCA. This procedure requires [products](#) under its scope to be tested by independent laboratories (so-called "third party certification"). For products originating in the EU (i.e. produced in the EU and respecting the rules of origin of the EU-Korea FTA), the test can be done in a IECEE CB laboratory in the EU (you can check the list of IECEE CB laboratories [here](#)) or in an EU [laboratory having a Mutual Recognition Agreement for test reports with a South Korean](#) (see Annex 2) as provided for in Article 20-2 of the ER-EASCA.

Importers must fill in the Electric Appliances Self-Regulatory Declaration ([see English translation as an example](#); note that the original Korean version must be used) and attach the following documents: copy of business registration certificate, product guide (picture included), test report of the self-regulatory safety declaration, letter of representation. The results of the test must be submitted to **one** of the official **Safety Certification Agencies**:

[Korea Testing Certification](#) Keumjung-Dong, Kumpo-City, Kyungki-Do +82-31-455- 7654

[Korea Testing Laboratory](#) Guro-3Dong, Guro-Gu, Seoul +82-2-860-1366

[Korea Testing & Research Institute](#) Yangji-Myuon, Cheoin-Gu, Yongin-Si, Gyeonggi-Do +82-31-679- 9663

This agency will issue a confirmation letter similar to the [Letter of Declaration](#)

Special situation for Broadband and Communication Equipment (certification by an EU notified laboratory)

Broadband and Communication Equipments fall under the scope of the Self-Regulatory Safety Confirmation procedure. However, in addition to having the possibility to conduct tests in a [IECEE CB laboratory](#) in Europe or in an EU [laboratory having a Mutual Recognition Agreement for test reports with a South Korean](#) laboratory, they can also do tests on a [notified EU laboratory](#).

2.2.3. Safety Certification procedure

The Safety Certification procedure is defined in Article 3.1 of the Electric Appliances Safety Control Act (EASCA). [Products](#) falling under its scope (see annex table 2 of EASCA) are considered very sensitive on a

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risk assessment basis by the Korean Government. Korea therefore still maintains a conformity assessment procedure based on a test of the products by a Korean designated agency.

Pursuant to Article 4 of ER-EASCA, applicants should fill out the [Electrical Appliances Safety Application](#) form (please use the original Korean form, not the English translation provided here as an example) and attach the following documents: Product Guide (User's manual), Circuit diagram, Component List, Letter of Representative in Korea, and submit this to one of the **Safety Certification Agencies** providing one product sample as well as parts of the appliance that do not have a Safety Certification Mark.

The Safety Certification Agency will verify the items and possibly inspect the manufacturer facilities. After 45 days, the applicant will receive a safety certification number and an Electric Appliance Safety Certificate.

Exemption for industrial purposes

10 [products](#) (identified on the product list with a *) can be exempted for conformity assessment if they are used for industrial purposes based on technical criteria. The Safety Certification Agency will decide if this condition is granted.

3. Electro Magnetic Compatibility (EMC) certification

3.1. Korean Regulations and Standards for EMC

Korean regulations, standards and practices for EMC certification define the regime applicable to EU imports of electric and electronic products (see legal references in paragraph 1.4. above). Importers are invited to check these pieces of legislation in their original Korean version in order to be sure to comply with the Korean law. These regulations, standards and practices should comply with commitments of Annex 2-B of the EU-Korea FTA in view to ease certification procedures and avoid duplication as much as possible.

In line with Article 2 of Annex 2-B, the Korean technical requirements for EMC are in most cases aligned with international standards (e.g. ISO or ITU). As EU technical requirements for EMC are also in most cases aligned with international standards, this should ensure that obligations are the same in the EU and in Korea as a rule. However some deviations may exist for certain products. European manufacturers should therefore review the Korean legislation and make sure that their products comply with Korean technical requirements.

See [in Annex 6 the list of Korean standards and the equivalent list of international standards on Electromagnetic Compatibility](#). This list may evolve as the Korean law changes. It is therefore provided only for indicative purposes and the manufacturer should check the Korean law.

3.2. Conformity assessment procedures for EMC

Complying with relevant technical requirements for EMC is one part of the obligations that imported products must comply with. But it is also necessary to prove to Korean authorities and/or users and consumers that they do so. This is what is usually called the "conformity assessment procedures".

RRA notification on the conformity assessment of telecommunication equipment establishes 2 different conformity assessment procedures for EMC in Korea. Each product in the scope of the Radio Waves Act and the Framework Act on Telecommunications falls in one of these 2 procedures, depending on how high the Korean authorities have judged that the risk to human health is:

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Conformity assessment procedures	Level of risk (according to Korean authorities)	Main features of the procedure	Examples of products covered
Registration of compatibility after in-house testing Similar to Article 3 (b) (i)	Low	Products are tested in-house by the producer who is responsible for ensuring compliance with relevant technical requirements. The importer must register test results on RRA website. This is the simplest regime.	Industrial machines, equipment for measure and examination, industrial computers, railroad equipment, wire communication terminals, etc.
Certification of conformity Article 3 (b) (ii)	Medium/High	Products must be tested in an independent laboratory and the importer must register test results on RRA website. But, for products originating in the EU, the laboratory in which tests are done can be an EU notified laboratory.	Computers, vehicle equipment, lightings, radio equipment, broadcasting reception device, electric appliances and power tools, etc

Figure 4: Overview of EMC certification schemes (EU DEL, 2013)

You can find in [Annex 7](#) the comprehensive list of products and corresponding conformity assessment procedures for EMC in the Korean law. Note that this is an in-house English translation of the Korean law which may evolve. Importers are therefore asked to double-check the latest version of the original Korean law to be sure to be up to date.

3.2.1. Registration of Compatibility after in-house testing procedure

The Registration of compatibility after in-house testing procedure is defined in the "RRA notification on the conformity assessment of telecommunication equipment". The "KCC notification on the Mutual Agreement on Conformity Assessment for telecommunication equipments in accordance with the EU-Korea FTA" provides further details for products originating in the EU.

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According to this procedure, the manufacturer holds the responsibility to comply with the relevant Korean legislation and standards for [products](#) under its scope. Manufacturers should conduct in-house testing for each model of the appliances regarding the Korean legislation and then submit online through the [RRA website](#) the [application form](#), a [letter of Confirmation Verifying Compliance to Conformity Assessment Criteria](#) and the [Letter of Representation](#) . The documents registered online are processed automatically. A [notice of registration](#) is then automatically issued and must be kept for custom clearance purposes.

Manufacturers should produce and keep in-house the following documents:

- Documents of the application
- User's manual
- In house test report
- Appearance drawing: Front and rear view photographs of the product where points for connection with other equipment and conformity assessment labeling are distinguishable
- Part arrangement diagram or photograph
- Circuit diagram

In case of series model, a list of all series models, electrical circuitry, structure, additional features and documents verifying any modifications should be attached.

3.2.2. Certification of Conformity procedure

The Certification of conformity procedure is defined in the "RRA notification on the conformity assessment of telecommunication equipment". The "KCC notification on the Mutual Agreement on Conformity Assessment for telecommunication equipments in accordance with the EU-Korea FTA" provides further details for products originating in the EU.

According to this procedure, products must be tested by an independent laboratory (so called "third party" certification). However, pursuant to Article 58, Paragraph 2, Section 3 of the Radio Waves Act, Korea provides a special treatment for EU origin product covered by the FTA. Indeed test reports can be performed [in EU accredited notified laboratories](#) for products of EU origin.

Manufacturers should then fill the Application form ([see the attached example](#) ; note the original Korean form in the relevant legislation should be used) and submit online the following documents on the [RRA website](#):

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- User's Manual (Korean) with a Product Overview, Specifications, included accessories (components of product), and operating instructions (operation manual) and test Report Issued by the Head of a designated testing agency
- Appearance Drawing or Front and Rear view photographs
- Part Arrangement diagram or photograph: number, specification, etc. of each part
- Circuit diagram
- [Letter of Attorney](#)

All first time appliers must also submit the [Conformity Assessment Identification Code Application Form](#). A [notice of the Registration](#) is automatically issued.

Exemption for research or exhibit purposes

An exemption can be used if a researcher or a manufacturer wants to bring a limited amount of products for research or exhibition purposes. The applicant shall require permission from the Korea Communications Commission by submitting an application ([see the example](#)) to their [website](#).

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Annex 1: Korean electric safety standards and equivalence with international standards²

Product type or grouping	Regulations	Domestic Standards	Relevant International Standards	Extent of Alignment
1. Electric Wires and Cords	Electrical Appliances Safety Control Act			
(1)Electric Wires, Cables and Cords				
a. Insulated electric wires (of which the nominal cross-sectional area is at most 95 mm ²)		K 60227-1, K 60227-2, K 60227-3, K 60245-1, K 60245-2, K 60245-3, K 60245-7	IEC 60227-1, IEC 60227-2, IEC 60227-3, IEC 60245-1, IEC 60245-2, IEC 60245-3, IEC 60245-7	IDENTICAL
b. Cables (of which the nominal cross-sectional area is at most 95 mm ²)		K 60502-1, K 60227-1, K 60227-2, K 60227-4, K 60227-6, K 60245-1, K 60227-2, K 60245-4, K 60245-5, K 60245-6	IEC 60502-1, IEC 60227-1, IEC 60227-2, IEC 60227-4, IEC 60227-6, IEC 60245-1, IEC 60227-2, IEC 60245-4, IEC 60245-5, IEC 60245-6	IDENTICAL
c. Cords(of which the nominal cross-sectional area is at least 0.5 mm ² and at most 6 mm ²)		K 60227-1, K 60227-2, K 60227-5, K 60227-7, K 60245-1, K 60245-2, K 60245-4, K 60245-8	IEC 60227-1, IEC 60227-2, IEC 60227-5, IEC 60227-7, IEC 60245-1, IEC 60245-2, IEC 60245-4, IEC 60245-8	IDENTICAL
d. Power cords set		K 60799	IEC 60799	IDENTICAL

² Source: "APEC EEMRA Information Interchange Format". This document was distributed by KATS to help APEC MRA members. <http://www.apec.org/Groups/Committee-on-Trade-and-Investment/Sub-Committee-on-Standards-and-Conformance/~media/Files/Groups/SCSC/RepublicOfKorea.ashx>

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2.Switches for Electrical Appliances

Electrical Appliances
Safety Control Act

(1) Switches

a. Switches for Electrical Appliances (those with the rated current of at most 30A)	K 61058-1	IEC 61058-1	IDENTICAL
b. Switches for household and similar fixed electrical installations (with rating 440V and 36A below - for switch with screwless terminal , rating 20A below)	K 60669-1, K 60669-2-1, K 60669-2-2, K 60669-2-3	IEC 60669-1, IEC 60669-2-1, IEC 60669-2-2, IEC 60669-2-3	IDENTICAL
c. Cord switches(those that connects to the chord. At most 250V, at most 16A)	K 61058-1, K 61058-2-1	IEC 61058-1, IEC 61058-2-1	IDENTICAL
d. Electronic switches (those with the rated current of at most 16A)	K 60669-1, K 60669-2-1	IEC 60669-1, IEC 60669-2-1	IDENTICAL
e. Remote controlled switches	K 60669-1, K 60669-2-2	IEC 60669-1, IEC 60669-2-2	IDENTICAL
f. Electronic switches (those with the rated current of at most 16A)	K 60669-1, K 60669-2-1, K 60669-2-3	IEC 60669-1, IEC 60669-2-1, IEC 60669-2-3	IDENTICAL
g. Dimmer with on/off function	K 60669-1, K 60669-2-1	IEC 60669-1, IEC 60669-2-1	IDENTICAL
(2) Electro-magnetic Contactor	K 60947-1, K 60947-4-1, K 61095	IEC 60947-1, IEC 60947-4-1, IEC 61095	IDENTICAL

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a. Electro-magnetic
Contactor (those with
the rated voltage of at
most 300V)

**3. Capacitors and filter
for Power**

Electrical Appliances
Safety Control Act

(1) Capacitors and filter
for Power

a. XY capacitors (The
voltage between the
conductors is at most
500V or the voltage
between the conductor
and the ground is at
most 250V or the
resistance capacitors
are combined. Serial
resistance of the
equivalent circuit is at
most 1 k Ω .)

K 60384-1, K 60384-14 IEC 60384-1, IEC 60384-14 IDENTICAL

b. Power filters for
controlling the
electromagnetic wave
hazards(those with the
nominal voltage
between the conductors
of 500V or the nominal
voltage between the
conductor and the
ground of at most 250V)

K 60939-1, K 60939-2 IEC 60939-1, IEC 60939-2 IDENTICAL

c. Capacitors for
fluorescent lamps(those
for the fluorescent
lamps, with the capacity
of at least 0.1 μ F and
the void power of at
most 2.5 kvar)

K 61048 IEC 61048 IDENTICAL

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**4. Accessories and
Connection Parts for
Electrical Appliances**

Electrical Appliances
Safety Control Act

(1) Accessories and
Connection Parts for
Electrical Appliances

a. Accessories and
Connection Parts for
Electrical Appliances

K 60320-1

IEC 60320-1

IDENTICAL

b. Interconnection
coupler (Those that
connect the electric
appliances or other
electric devices with
power chords and that
are with the rated
voltage of at most 250V
and rated electric
current of at most 16A
and that have or don't
have the grounding
pole)

K 60320-1, K 60320-2-1,
K 60320-2-2, K 60320-2-3

IEC 60320-1, IEC 60320-2-
1, IEC 60320-2-2, IEC
60320-2-3

IDENTICAL

c. Plugs and outlets (AC
plugs, outlets or mobile
outlets that have the
rated electric current of
at most 32A(the rated
electric current of the
single-terminal fixed
outlet is 20A), that have
or do not have the
installed grounding pins
and that are used for
indoors or outdoors)

K 60884-1

IEC 60884-1

MODIFIED

d. Cable reels (those
with the single-pole
rated voltage of 250V,
rated electric current of

K 61242

IEC 61242

IDENTICAL

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at most 16A, 3-pole
rated voltage of 440V
and the rated electric
current of at most 16A)

**5. Parts for the
Protection of the
Electrical Appliances**

Electrical Appliances
Safety Control Act

(1) Fuses and fuse
holders

a. Fuses and fuse-
holders

K 60127-1, K 60127-2, K 60127-3, K 60127-4, K 60127-6, K 60269-1, K 60269-2, K 60269-3	IEC 60127-1, IEC 60127-2, IEC 60127-3, IEC 60127-4, IEC 60127-6, IEC 60269-1, IEC 60269-2, IEC 60269-3
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IDENTICAL

b. Thermal-links(This
applies to thermal-links
of rated functioning
temperature above
80 °C and up to 280 °C
inclusive)

K 60691

IEC 60691

IDENTICAL

(2) Circuit-breakers

a. Circuit-breakers for
equipment(CBE)

K 60934

IEC 60934

IDENTICAL

b. Moulded-case circuit-
breaker(This range
applies to circuit-
breakers of rated
current up to and
including 300A)

K 60898-1, K 60947-1, K
60947-2

IEC 60898-1, IEC 60947-1,
IEC 60947-2

IDENTICAL

c. Circuit-breakers
incorporating residual
current protection(This
part applies to circuit-
breakers of rated
current up to and
including 300A. Those
exclusively for leakage
protection or those
both for the protection

K 61008-1, K 61008-2-1,
K 61008-2-2, K 61009-1,
K 61009-2-1, K 61009-2-2,
K 60947-1, K 60947-2

IEC 61008-1, IEC 61008-2-
1, IEC 61008-2-2, IEC
61009-1, IEC 61009-2-1,
IEC 61009-2-2, IEC 60947-
1, IEC 60947-2

IDENTICAL

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of leakage and overload and the protection of combined short-circuit use).

6. Insulated Transformers

Electrical Appliances
Safety Control Act

(1) Insulated Transformers and Voltage regulators

a. Voltage regulators

K 61558-1, K 61558-2-12 IEC 61558-1, IEC 61558-2-12

IDENTICAL

b. Small household transformers

K 61558-1, K 61558-2-4 IEC 61558-1, IEC 61558-2-4

IDENTICAL

c. AC / AC adapters

K 61558-1, K 61558-2-6 IEC 61558-1, IEC 61558-2-6

IDENTICAL

7. Electrical Equipment

Electrical Appliances
Safety Control Act

K 60335-1, K 60335-2-2, IEC 60335-1, IEC 60335-2-2,

MODIFIED

(1) Electric cleaners

K 60335-2-10, K 60335-2-54 IEC 60335-2-10, IEC 60335-2-54

IDENTICAL

(2) Electric irons and Electric press

K 60335-2-3, K 60335-2-44, K 60335-2-85 IEC 60335-2-3, IEC 60335-2-44, IEC 60335-2-85

IDENTICAL

(3) Electric dishwashers and Electric dish driers

K 60335-2-5 IEC 60335-2-5

IDENTICAL

(4) Electric machines for kitchens

K 60335-2-6, K 60335-2-9 IEC 60335-2-6, IEC 60335-2-9

IDENTICAL

(5) Electric washing machines and Electric driers

K 60335-2-4, K 60335-2-7 IEC 60335-2-4, IEC 60335-2-7

IDENTICAL

(6) Hair dryers

K 60335-2-23 IEC 60335-2-23

IDENTICAL

(7) Electric warmer and

K 60335-2-12, K 60335-2- IEC 60335-2-12, IEC 60335-

IDENTICAL

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Electric heating cabinets	49	2-49	
(8)Electro-motive machines for kitchens	K 60335-2-14	IEC 60335-2-14	IDENTICAL
(9)Electric liquid heating devices	K 60335-2-15	IEC 60335-2-15	IDENTICAL
(10)Electric cushions, Electric mats , Electric beds	K 60335-2-17	IEC 60335-2-17	IDENTICAL
	K 10004	-	-
(11)Electric Pads, Foot warmers	K 60335-2-17, K 60335-2-81	IEC 60335-2-17, IEC 60335-2-81	IDENTICAL
(12)Electric water heater	K 60335-2-21	IEC 60335-2-21	MODIFIED
	K 60335-2-35	IEC 60335-2-35	IDENTICAL
(13)Electric refrigerators/freezers	K 60335-2-24	IEC 60335-2-24	IDENTICAL
(14)Microwave ovens	K 60335-2-25	IEC 60335-2-25	IDENTICAL
(15)Household electro-motive sewing machines	K 60335-2-28	IEC 60335-2-28	IDENTICAL
(16) Electric charger	K 60335-2-29	IEC 60335-2-29	IDENTICAL
(17)Electric driers	K 60335-2-11, K 60335-2-23, K 60335-2-49	IEC 60335-2-11, IEC 60335-2-23, IEC 60335-2-49	IDENTICAL
(18)Electric thermal devices	K 60335-2-30, K 60335-2-61	IEC 60335-2-30, IEC 60335-2-61	IDENTICAL
(19)Electric massagers	K 60335-2-32	IEC 60335-2-32	IDENTICAL
(20)Air coolers and humidifiers	K 60335-2-40	IEC 60335-2-40	IDENTICAL
(21)Liquid pumps	K 60335-2-41	IEC 60335-2-41	IDENTICAL

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(22) Electric heating appliances	K 60335-2-45	IEC 60335-2-45	IDENTICAL
(23) electric thermal devices for sauna bath	K 60335-2-53	IEC 60335-2-53	IDENTICAL
(24) Electric devices for fish bowls and ponds	K 60335-2-55, K 60335-2-71	IEC 60335-2-55, IEC 60335-2-71	IDENTICAL
(25) Foam generators	K 60335-2-55	IEC 60335-2-55	IDENTICAL
(26) Electric shock insect-killing devices	K 60335-2-59	IEC 60335-2-59	IDENTICAL
(27) Electric bath	K 60335-2-60	IEC 60335-2-60	IDENTICAL
	K 10002, K 10003	-	-
(28) Air cleaners	K 60335-2-65	IEC 60335-2-65	IDENTICAL
(29) Automatic vending machines	K 60335-2-75	IEC 60335-2-75	IDENTICAL
(30) Fans, Range hoods	K 60335-2-80, K 60335-2-31	IEC 60335-2-80, IEC 60335-2-31	IDENTICAL
(31) Electric devices for toilets	K 60335-2-84	IEC 60335-2-84	IDENTICAL
(32) Humidifiers	K 60335-2-98	IEC 60335-2-98	IDENTICAL
(33) Electric sprayers	K 60335-2-68	IEC 60335-2-68	IDENTICAL
(34) Electric sterilizer	K 70000	-	-
(35) Disposer	K 60335-2-16	IEC 60335-2-16	IDENTICAL
(36) Wet towel wrapping and rolling devices	K 10015, K 10016	IEC 60335-1	MODIFIED

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8. Electric tools	Electrical Appliances Safety Control Act	K 60745-1, K 60745-2-1, K 60745-2-2, K 60745-2-3, K 60745-2-4, K 60745-2-5, K 60745-2-6, K 60745-2-8, K 60745-2-9, K 60745-2- 11, K 60745-2-12, K 60745-2- 13, K 60745-2-14, K 60745-2- 15, K 60745-2-16, K 60745-2- 17	IEC 60745-1, IEC 60745-2- 1, IEC 60745-2-2, IEC 60745- 2-3, IEC 60745-2-4, IEC 60745- 2-5, IEC 60745-2-6, IEC 60745- 2-8, IEC 60745-2-9, IEC 60745- 2-11, IEC 60745-2-12, IEC 60745-2-13, IEC 60745-2-14, IEC 60745-2-15, IEC 60745-2-16, IEC 60745- 2-17	IDENTICAL
(1)Electric tools				
10. IT Equipments	Electrical Appliances Safety Control Act	K 60950-1	IEC 60950-1(ed.1)	MODIFIED
(1)Copy Machine				
(2)AC/DC Adapter		K 60950-1	IEC 60950-1(ed.1)	MODIFIED
(3) uninterruptible power supply		K 60950-1	IEC 60950-1(ed.1)	MODIFIED
(4)Coating Machine		K 60950-1	IEC 60950-1(ed.1)	MODIFIED
11. Lighting	Electrical Appliances Safety Control Act	K 60400	IEC 60400(ed.6.2)	IDENTICAL
(1)Lampholders for tubular fluorescent lamps and starterholders				
(2)Edison screw lampholders		K 60238	IEC 60238(ed.1.0)	IDENTICAL
(3)Miscellaneous lampholders		K 60838-1, K 60838-2-1, K 60838-2-2	IEC 60838-1(ed.4.1), IEC 60838-2-21(ed.1.0), IEC 60838-2-2(ed.1.0)	IDENTICAL

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(4) Bayonet lampholders	K 61184	IEC 61184(ed.3.0)	IDENTICAL
(5)Lampholders for tubular fluorescent lamps and starterholders	K 60400	IEC 60400(ed.6.2)	IDENTICAL
(6)Fixed general purpose luminaries (Fluorescent Luminaires)	K 60598-1, K 60598-2-1	IEC 60598-1(ed.7.0), IEC 60598-2-1(ed.1.0)	IDENTICAL
(7)Recessed luminaries (Fluorescent Luminaires)	K 60598-1, K 60598-2-2	IEC 60598-1(ed.7.0), IEC 60598-2-2(ed.2.0)	IDENTICAL
(8)Portable general purpose luminaries (Fluorescent Luminaires)	K 60598-1, K 60598-2-4	IEC 60598-1(ed.7.0), IEC 60598-2-4(ed.2.0)	IDENTICAL
(9)PLS Luminaires	K 10006	-	-
(10)Portable general purpose luminaries (Incandescent Luminaires with Dimmer)	K 60598-1, K 60598-2-4	IEC 60598-1(ed.7.0), IEC 60598-2-4(ed.2.0)	IDENTICAL
(11)Fixed general purpose luminaries (LED Luminaires)	K 60598-1, K 60598-2-1	IEC 60598-1(ed.7.0), IEC 60598-2-1(ed.1.0)	IDENTICAL
(12)Recessed luminaries (LED Luminaires)	K 60598-1, K 60598-2-2	IEC 60598-1(ed.7.0), IEC 60598-2-2(ed.2.0)	IDENTICAL
(13)Portable general purpose luminaries (LED Luminaires)	K 60598-1, K 60598-2-4	IEC 60598-1(ed.7.0), IEC 60598-2-4(ed.2.0)	IDENTICAL
(14)Fixed general purpose luminaries (Halogen Luminaires)	K 60598-1, K 60598-2-1	IEC 60598-1(ed.7.0), IEC 60598-2-1(ed.1.0)	IDENTICAL
(15)Recessed luminaries (Halogen Luminaires)	K 60598-1, K 60598-2-2	IEC 60598-1(ed.7.0), IEC 60598-2-2(ed.2.0)	IDENTICAL
(16)Portable general purpose luminaries (Halogen Luminaires)	K 60598-1, K 60598-2-4	IEC 60598-1(ed.7.0), IEC 60598-2-4(ed.2.0)	IDENTICAL

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(17)Fixed general purpose luminaries (high-Discharge Luminaires)	K 60598-1, K 60598-2-1	IEC 60598-1(ed.7.0), IEC 60598-2-1(ed.1.0)	IDENTICAL
(18)Recessed luminaries (high-Discharge Luminaires)	K 60598-1, K 60598-2-2	IEC 60598-1(ed.7.0), IEC 60598-2-2(ed.2.0)	IDENTICAL
(19)Portable general purpose luminaries (high-Discharge Luminaires)	K 60598-1, K 60598-2-4	IEC 60598-1(ed.7.0), IEC 60598-2-4(ed.2.0)	IDENTICAL
(20)ballasts for fluorescent lamps	K 61347-2-8, K 60921	IEC 61347-2-8(ed.1.0), IEC 60921(ed.1.0)	IDENTICAL
(21)ballasts for discharge lamps	K 61347-2-9, K 60923	IEC 61347-2-9(ed.1.0), IEC 60923(ed.3.1)	IDENTICAL
(22)a. c. supplied electronic ballasts for fluorescent lamps	K 61347-2-3, K 60929	IEC 61347-2-3(ed.1.0), IEC 60929(ed.1.0)	IDENTICAL
(23)Starting devices	K 61347-2-1, K 60923	IEC 61347-2-1(ed.1.0), IEC 60923(ed.3.1)	IDENTICAL
(24)Transformers for tubular discharge lamps having a no-load output voltage exceeding 1000 V (general type fluorescent transformers)	K 61050	IEC 61050(ed.1.0)	IDENTICAL
(25)electronic invertors and convertors for high-frequency operation of cold start tubular discharge lamps (neon	K 61347-2-10	IEC 61347-2-10(ed.1.0)	IDENTICAL

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tubes)

(26)Lamp controlgear – Particular requirement for d.c. or a.c. supplied electronic step-down convertors for filament lamps	K 61347-2-2, K 61047	IEC 61347-2-13 (ed. 1.0), IEC 61047 (ed. 1.0)	IDENTICAL
(27)Lamp controlgear – Particular requirement for d.c. or a.c. supplied electronic controlgear for LED Modifiedeles	K 61347-2-13, K 62384	IEC 61347-2-13 (ed 1.0), IEC 62384 (ed. 1.0)	IDENTICAL
(28)Self-ballasted lamp	K 60968, K 60969	IEC 60968(ed.1.2) IEC 60969(ed.1.2)	IDENTICAL
(29)Self-ballasted lamp(LED)	K 60968, K 60969	IEC 60968(ed.1.2), IEC 60969(ed.1.2)	IDENTICAL

Project type or grouping	Regulations	Domestic Standards	Relevant International Standards	Extent of Alignment
2. Switches for Electrical Appliances	Electrical Appliances Safety Control Act			
(1)Control equipment for electrical appliances				
a. thermal controller		K 60730-1, K 60730-2-9	IEC 60730-1, IEC 60730-2-9	IDENTICAL
b. Thermal cut-out		K 60730-1, K 60730-2-9	IEC 60730-1, IEC 60730-2-9	IDENTICAL

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c. Thermistor	K 60730-1, K 60730-2-9	IEC 60730-1, IEC 60730-2-9	IDENTICAL
d. Auto-pressure controller	K 60730-1, K 60730-2-6	IEC 60730-1, IEC 60730-2-6	IDENTICAL
e. Timer and Time-switch	K 60730-1, K 60730-2-7	IEC 60730-1, IEC 60730-2-7	IDENTICAL
f. Active Relay for motor	K 60730-1, K 60730-2-10	IEC 60730-1, IEC 60730-2-10	IDENTICAL
g. Energy regulator	K 60730-1, K 60730-2-11	IEC 60730-1, IEC 60730-2-11	IDENTICAL
6. Insulated Transformers	Electrical Appliances Safety Control Act		
(1) high-frequency welding machine			
a. high-frequency welding machine	K 60974-1	IEC 60974-1	IDENTICAL
(2) Electric welders			
a. Electric welders	K 60974-1	IEC 60974-1	IDENTICAL
b. Gun-type arc welders	K 60974-1	IEC 60974-1	IDENTICAL
7. Electrical Equipment	Electrical Appliances Safety Control Act		
(1)Fruit peeling devices	K60335-2-14	IEC 60335-2-14	IDENTICAL
(2)Potato peeling devices	K 60335-2-14	IEC 60335-2-14	IDENTICAL
(3)Electric rice-polishing machines	K 60335-2-14	IEC 60335-2-14	IDENTICAL

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(4)Electric bread cutters	K 60335-2-14	IEC 60335-2-14	IDENTICAL
(5)Electric dissolution devices	K 60335-2-15	IEC 60335-2-15	IDENTICAL
(6)Bathing machines for pets	K 10017	-	-
(7)Electric device for Hair and Skin device	K 60335-2-23	IEC 60335-2-23	IDENTICAL
(8)Electric liquor ripening devices	K 60335-2-24	IEC 60335-2-24	IDENTICAL
(9)Electric watches	K 60335-2-26	IEC 60335-2-26	IDENTICAL
(10)Skin managers against infrared and ultraviolet radiation	K 60335-2-27	IEC 60335-2-27	IDENTICAL
(11)Electric chairs and motion bed	K 60335-2-32	IEC 60335-2-32	IDENTICAL
(12)Motor compressors	K 60335-2-34	IEC 60335-2-34	IDENTICAL
(13)Electric hot-water mats	K 60335-2-35	IEC 60335-2-35	IDENTICAL
(14)Mouth cleaners	K 60335-2-52	IEC 60335-2-52	IDENTICAL
(15)Electric sprayers	K 60335-2-55	IEC 60335-2-55	IDENTICAL
(16)Projectors	K 60335-2-56	IEC 60335-2-56	IDENTICAL
(17)Insect repelling devices	K 60335-2-59	IEC 60335-2-59	IDENTICAL
(18)Electric dust collectors	K 60335-2-65	IEC 60335-2-65	IDENTICAL
(19)Milk machine	K 60335-2-70	IEC 60335-2-70	IDENTICAL
(20)Service Appliance	K 60335-2-75	IEC 60335-2-75	IDENTICAL

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(21)Electric air curtains	K 60335-2-80	IEC 60335-2-80	IDENTICAL
(22)Pan coil units	K 60335-2-80	IEC 60335-2-80	IDENTICAL
(23)Exhaust heat ventilation devices	K 60335-2-80	IEC 60335-2-80	IDENTICAL
(24)Game devices	K 60335-2-82	IEC 60335-2-82	IDENTICAL
(25)Electro-motive rolling screen	K 60335-2-97	IEC 60335-2-97	IDENTICAL
(26)Electric device of smoke type	K 60335-2-101	IEC 60335-2-101	IDENTICAL
(27)Electric heaters for preventing tap water frost	K 10013	-	-
(28)Nap removers	K 60335-2-8	IEC 60335-2-8	IDENTICAL
(29)Oxygen or ion generators	K 60335-2-65	IEC 60335-2-65	IDENTICAL
(30)Electric water purifiers	K 10007	-	-
(31)Ultrasonic washers	K 10009	-	-
(32)Sprout and bean sprout growing devices	K 10010	-	-
(33)Electric door locks	K 10011	-	-
(34)Electric exercise machines	K 10012	-	-
(35) Phase motors	K 10014	-	-
(35) Phase motors	K 10014	-	-

9. A/V Equipments

Electrical Appliances Safety Control Act

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(1)Television	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(2)Image monitor	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(3)Video cassette recorder	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(4)Video camera	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(5)Tuner	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(6)Editor	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(7)Disk player	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(8)Radio receiver	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(9)Amplifier	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(10)Sub woofer	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(11)Receiver	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(12)Tape recorder	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(13)Tape player	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(14)Audio system	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(15)Electronic musical instrument	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(16)Satellite receiver	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(17)Video game system	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(18)Video phone	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(19)TV image projector	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL

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(20)Equalizer	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(21)Equalizer	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(22)Audio processor	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(23)AD/DA Converter	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(24)Audio distributor	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(25)Compressor gate	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(26)Electronic watch	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(27)CCTV camera	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(28)Video transmitter	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(29)Video receiver and converter	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(30)Video recorder	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(31)A/V signal receiver	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(32)Video processor	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(33)CATV receiver	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(34)Audio and video educational apparatus	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(35)Turn table	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
(36)Modifiedulator	K 60065	IEC 60065(6,7 th ed.)	IDENTICAL
10. IT Equipments	Electrical Appliances Safety Control Act		
(1) Monitor	K 60950-1	IEC 60950-1(ed.1)	MODIFIED

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(2)Printer	K 60950-1	IEC 60950-1(ed.1)	MODIFIED	
(3)Projector	K 60950-1	IEC 60950-1(ed.1)	MODIFIED	
(4)Scanner	K 60950-1	IEC 60950-1(ed.1)	MODIFIED	
(5)Accounting Machine	K 60950-1	IEC 60950-1(ed.1)	MODIFIED	
(6)Electronic Balance	K 60950-1	IEC 60950-1(ed.1)	MODIFIED	
(7)Cash Register	K 60950-1	IEC 60950-1(ed.1)	MODIFIED	
(8)Language System	K 60950-1	IEC 60950-1(ed.1)	MODIFIED	
(9) Paper Cutter	K 60950-1	IEC 60950-1(ed.1)	MODIFIED	
(10) Drilling Machine	K 60950-1	IEC 60950-1(ed.1)	MODIFIED	
(11)Cutting Machine	K 60950-1	IEC 60950-1(ed.1)	MODIFIED	
(12)Binder	K 60950-1	IEC 60950-1(ed.1)	MODIFIED	
(13)Electronic Blackboard and Board	K 60950-1	IEC 60950-1(ed.1)	MODIFIED	
(14)Coin Counter	K 60950-1	IEC 60950-1(ed.1)	MODIFIED	
(15)Electromotion Typewriter	K 60950-1	IEC 60950-1(ed.1)	MODIFIED	
(16)Electric Demagnetizer	K 60950-1	IEC 60950-1(ed.1)	MODIFIED	
(17)Actual Picturer	K 60950-1	IEC 60950-1(ed.1)	MODIFIED	
(18)Dimension Imager	K 60950-1	IEC 60950-1(ed.1)	MODIFIED	
(5)Accounting Machine	K 60950-1	IEC 60950-1(ed.1)	MODIFIED	
11. Lighting	Electrical Appliances Safety Control Act	K 60155	IEC 60155(ed.4.0)	IDENTICAL
(1) Glow starters for				

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fluorescent lamps

(2) Starting devices	K 61347-2-1, K 60927	IEC 61347-2-1(ed.1.0), IEC 60927(ed.2.1)	IDENTICAL
(3) Portable general purpose luminaries (Incandescent Luminaires)	K 60598-1, K 60598-2-4	IEC 60598-1(ed.7.0), IEC 60598-2-4(ed.2.0)	IDENTICAL
(4) Fixed general purpose luminaries (chandelier)	K 60598-1, K 60598-2-1	IEC 60598-1(ed.7.0), IEC 60598-2-1(ed.1.0)	IDENTICAL
(5) Flood Light	K 60598-1	IEC 60598-1(ed.7.0)	IDENTICAL
(6) Fluorescent Lamp	K 61195	IEC 61195(ed.2.0)	MODIFIED
	K 60081, K 61199, K 60901	IEC 60081(ed.5.0), IEC 61199(ed.2.0), IEC 60901 (ed.2.2)	IDENTICAL
(7) Electroless Fluorescent Lamp	K 10005	-	-
(8) High-pressure mercury vapour lamp	K 62035, K 60188	IEC 62035(ed.1.0), IEC 60188(ed.3.0)	IDENTICAL
(9) Metalhalide lamp	K 62035, K 61167	IEC 62035(ed.1.0), IEC 61167(ed.3.0)	IDENTICAL
(10) High-pressure sodium vapour lamp	K 62035, K 60662	IEC 62035(ed.1.0), IEC 60062(ed.3.0)	IDENTICAL
(11) Lighting chains (christmas tree chain)	K 60598-1, K 60598-2-20	IEC 60598-1(ed.7.0), IEC 60598-2- 20(ed.2.0)	IDENTICAL
(12) Luminaires for emergency lighting	K 60598-1, K 60598-2-22	IEC 60598-1(ed.7.0), IEC 60598-2- 22(ed.3.0)	IDENTICAL
(13) Portable luminaries for change type	K 60598-1	IEC 60598-1(ed.7.0)	IDENTICAL
(14) Incandescent lamp	K 60432-1, K 60064	IEC 60432-1(ed.2.1),	IDENTICAL

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		IEC 60064 (ed.6.0)	
(15) LED Modifiedules for General Lighting	K 62031	IEC 62031(ed.1.0)	IDENTICAL
(16) Tungsten-halogen lamps	K 60432-1	IEC 60432-1(ed2.1)	IDENTICAL

Annex 2: EU Laboratories having a Mutual Recognition Agreement (MRA) for tests reports with Korean laboratories



구 분		KTL		KTC		KTR	
국가	기관명	시험 결과	공장 심사	시험 결과	공장 심사	시험 결과	공장 심사
네덜란드	KEMA		○	○	○	○	○
독일	VDE	○	○	○	○		
	TUV-SUD	○	○	○	○		○
	TUV-Rheinland	○	○				○
	S G S - T U V Saarland						○
	SLGPruf-und ZertifizierungsG mbH			○	○		
벨기에	CEBEC	○	○				
스웨덴	Intertek SEMKO	○	○	○	○		
스위스	Electrosuisse	○	○				
스페인	AENOR	○	○				
	SGSESPANOLADE CONTROLS.A						○
슬로바키아	EVPU	○	○				
슬로베니아	SIQ	○	○				
영국	BSI	○	○				
	IntertekTesting& CertificationLtd.	○	○				
	SGS UK. LTD						○
오스트리아	OVE	○	○				
이탈리아	IMQ	○	○				
	SGS ITALIA SRL						○
체코	EZU	○	○				
포르투갈	CERTIF		○				
폴란드	PCBC	○	○				
프랑스	LCIE	○	○	○	○	○	○
	SGS Multilab CTS						○
핀란드	FIMKO		○				
헝가리	MEEI	○	○				

Annex 3: Classification of products subject to electric safety certification by conformity assessment regime



European
Commission

1. Products subject to the Safety Certification System (Article 3(1) of EASCA)

Classification	Items
1. Electric Wire and Power cord	Electric Wire, Cable and Cords
2. Switch for electric appliances	A. Switch B. Magnetic Switch(rated voltage is less than or equal to 300A)
	Note) Excluding switch with special structure attached machine- instrument or switch with explosion proof
3. Power Capacitor and Power Filter	Capacitor and Power Filter
	Note) applied to less than or equal to 100Hz
4. Components for electric equipment and connecting components	Components for electric equipment and connecting components
	Note) Excluding explosion proof
5. Components for protecting electric appliances	A. Fuse and Fuse Holder B. Circuit Breaker
6. Insulating Transformer	Transformer and Voltage Regulator
	Note) Applied to less than or equal to 5kVA, excluding special structure attached machine instrument
7. Electric Appliances	A. * Electric Cleaner (including Steam Cleaner and Steam Thawing machine) B. Electric Iron and Electric Press Machine C. * Dish Washer and Dish Dryer D. Heating Appliances for kitchen use E. * Electric Washing Machine and Dehydrator(for washing clothes or dress material) F. Hair Styling Equipment G. Electric Warmer and Electric Heating Cabinet(which has function of keeping food or dishes warm) H. * Electric Motor Appliances for kitchen use (electric motor)

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	<p>I. Electric Liquid Heating Machine</p> <p>J. Electric Blanket and Mat, Electric Bed</p> <p>K. Electric cauterizer, Foot Warmer</p> <p>L. Electric Water Heater</p> <p>M. * Electric Cooler and Refrigerator(electric motor)</p> <p>N. Microwave(using frequency between 300MHz~30GHz)</p> <p>O. Household Electric Sewing Machine</p> <p>P. * Electric Recharger</p> <p>Q. Electric Dryer(for clothes)</p> <p>R. Electric Heating Appliances including Bulb-Shaped Heater</p> <p>S. Electric Massager</p> <p>T. Air Conditioner and Dehumidifier</p> <p>U. * Fluid Pump(including pump equipped with filter, applied to pump of which fluid temperature is less than or equal to 90°C, excluding vacuum pump, oil pump, sand pump and special structure attached machine- instrument)</p> <p>V. Electric Heater</p> <p>W. Sauna</p> <p>X. Coronary and Pet Electrical Equipment</p> <p>Y. Bubble Generating Device</p> <p>Z. Electric Insect Killer</p> <p>AA. Electric Bathtub</p> <p>BB. * Air Purifier</p> <p>CC. Vending Machine(applied to one with at least one of electric heating appliances, cooling appliances, discharge lamp or Liquid storage)</p> <p>DD. * Fan, Range Hood</p> <p>EE. Electric Appliances for bathroom use</p> <p>FF. Humidifier</p> <p>GG. Electric Sprayer</p> <p>HH. Electric Sterilizer</p> <p>II. Disposal Unit</p> <p>JJ. Wet Towel Rolling Machine and Wrapping Machine</p> <p>KK. Other Machine similar to machines from A to GG</p>
	<p>Note) applied to one with rated voltage less than or equal to 10kW, excluding if it is applicable to one of below</p> <p>1) Explosion proof</p> <p>2) If it is applicable to medical devices under the 『Medical Device Law』 article 2(1) among Electric Mat, Electric Moxa Treatment Equipment, Facial Sauna Equipment, Skin Treatment Equipment with Infrared ray·Ultraviolet Ray, Electric Massager, Electric Steam Sauna Equipment, Half Bath tub and Foot Bath Tub</p>
8. Machine Tool	Power Tool

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	Note) applied to one with rated voltage less than or equal to 1.5kW
9. Audio-Video Appliances	
10. Information and Office Machine	<p>A. Copy Machine(rated power of light source is less than or equal to 1.2kW)</p> <p>B. DC Power Supply(rated capacity less than or equal to 10kVA, including each partial DC power unit and one for mobile phone use)</p> <p>C. Uninterruptible Power Supply(rated capacity less than or equal to 10kVA)</p> <p>D. Coating Device</p> <p>E. Other Machines similar to A.~E.</p>
	Note) Excluding special structure attached machine-instrument
11. Lighting Equipment	<p>A. Lamp Holder</p> <p>B. General Lighting Equipment</p> <p>C. Ballast Stabilizer and Lamp Controller</p> <p>D. Ballast Stabilizer Embedded Lamp</p>
12. DC Power Supply or Electric Appliances used by connected to Electric Recharger	<p>A. Electric Blanket and Mat</p> <p>B. Electric Insect Killer</p> <p>C. Electric Blanket and Mat, Electric Bed</p> <p>D. Electric cauterizer, Foot Warmer</p>

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2. Products subject to the Self Regulatory Safety Confirmation procedure (Article 3(2) of EASCA)

Classification	Items
1. Electric Wire and Power cord	
2. Switch for electric appliances	Control Device for Electric Appliances
	Note) Excluding switch with special structure attached machine· instrument or switch with explosion proof
3. Power Capacitor and Power Filter	
4. Components for electric equipment and connecting components	
5. Components for protecting electric appliances	
6. Insulating Transformer	A. High Frequency Welder B. Electric Welder
	Note) applied to rated capacity less than or equal to 5kVA, excluding special structure attached machine· instrument
7. Electric Appliances	A. Fruit Peeler B. Potato Peeler C. Electric Rice Cleaning Machine D. Electric Bread Slicer E. Electric Melting Machine F. Pet Washing Machine G. Beauty Equipment H. Alcohol Ripe Machine I. Electrical Clock J. UV ray light protection machine K. Electric Chair and Electric Bed L. Compressor M. Electric Hot Water Mat

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	<p>N. Mouth Cleaning Machine O. Electrical Fountain P. Projector Q. Insect Controller R. Electrical Precipitator S. Pumping Machine T. Service Machine U. Electric Air Curtain V. Fan Coil Unit W. Ventilating Device for Recollecting Waste Heat X. Game Device Y. Electric Roll Screen Z. Electric Fumigating Equipment AA. Water Supply Freezing Protection BB. Lint Remover CC. Oxygen Ion Generator DD. Electric Water Purifier EE. Ultrasound Cleaner FF. Sprout and Bean Planting Machine GG. Electrical Door lock HH. Electronic Health Equipment II. Electronic Car Recharger JJ. Other Machines similar to A.~II.</p>
	<p>Note) applied to rated input less than or equal to 10kW, excluding if it is applicable to one of below</p> <p>1) Explosion Proof</p> <p>2) If it is applicable to medical devices under the Medical Device Law article 2(1) among Electric Mat, Electric Moxa Treatment Equipment, Facial Sauna Equipment, Skin Treatment Equipment with Infrared ray Ultraviolet Ray, Electric Massager, Electric Steam Sauna Equipment, Half Bath tub and Foot Bath Tub</p>
<p>8. Machine Tools</p>	<p>No object</p>
<p>9. Audio-Video Appliances</p>	<p>A. Television Receiver B. Editor C. Disk Player D. Amplifier E. Audio System F. Electric Instrument G. Video Game Equipment H. TV projector I. Audio Processor J. Voice and Video Distributor</p>

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	<ul style="list-style-type: none"> K. Video Transmitter L. Video Processor M. Audio and Video Learning Device N. Other Machines similar to above
	<p>Note) Excluding one with special structure attached to Machinery and Implements</p>
10. Information and Office Machines	<ul style="list-style-type: none"> A. Monitor B. * Printer(, excluding Barcode, Receipt, Bankbook, Plotter, Labels and exclusively for Graphic) C. Projector D. Paper Shredder E. Perforator F. Cutting Machine G. Binding Machine H. Visual Presenter I. 3D Vision Equipment J. Public Pay Phones K. Fax Machines that have phones installed L. Terminals that have phones installed M. Credit Card Machines N. Terminals that have specific modems (financial, Information Retrieval, ATM) O. Computer Power Supply Machine P. Digital TV Q. Location Based Services Wireless Devices R. Remote Control Broadcast Machine S. Other Machines Similar to A.~R.
	<p>Note) Excluding one with special structure attached to Machinery and Implements</p>
11. Lighting Equipments	<ul style="list-style-type: none"> A. Fluorescence Starter B. Incandescent Lamp C. Discharge Lamp D. Other Lighting Equipments E. Other Lamps
12. DC Power Supply or Electric Appliances used by connected to Electric Recharger	<ul style="list-style-type: none"> A. Battery Cell (Rechargers only) B. Laptop Computers (including tablet pc)

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구 분		KTL		KTC		KTR	
국가	기관명	시험 결과	공장 심사	시험 결과	공장 심사	시험 결과	공장 심사
네덜란드	KEMA		○	○	○	○	○
독일	VDE	○	○	○	○		
	TUV-SUD	○	○	○	○		○
	TUV-Rheinland	○	○				○
	S G S - T U V Saarland						○
	SLGPruf-und ZertifizierungsG mbH			○	○		
벨기에	CEBEC	○	○				
스웨덴	Intertek SEMKO	○	○	○	○		
스위스	Electrosuisse	○	○				
스페인	AENOR	○	○				
	SGSESPANOLADE CONTROLS.A						○
슬로바키아	EVPU	○	○				
슬로베니아	SIQ	○	○				
영국	BSI	○	○				
	IntertekTesting& CertificationLtd.	○	○				
	SGS UK. LTD						○
오스트리아	OVE	○	○				
이탈리아	IMQ	○	○				
	SGS ITALIA SRL						○
체코	EZU	○	○				
포르투갈	CERTIF		○				
폴란드	PCBC	○	○				
프랑스	LCIE	○	○	○	○	○	○
	SGS Multilab CTS						○
핀란드	FIMKO		○				
헝가리	MEEI	○	○				

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3. Products subject to Supplier's Confirmation of Conformity (Article 3(3) of the EASCA)

Classification	Items
1. Electric Wire and Power cord	
2. Switch for electric appliances	
3. Power Capacitor and Power Filter	
4. Components for electric equipment and connecting components	
5. Components for protecting electric appliances	
6. Insulating Transformer	
7. Electric Appliances	
8. Machine Tools	
9. Audio-Video Appliances	<ul style="list-style-type: none"> A. Videotape Player B. Video Camera C. Tuner D. Radio Receiver E. Receiver F. Voice Recorder G. Voice Player H. Satellite Broadcasting Receiver I. Videophone J. Tone Controller K. Signal Converter L. Compressor Gate M. Electric Clock N. CCTV Camera O. Video Receiver and Converter P. Video Recorder Q. A/V Signal Receiver

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	<p>R. CATV Broadcasting Receiver S. Turn Table T. Module Rater Note) Excluding one with special structure attached to Machinery and Implements</p>
10. Information and Office Machines	<p>A. Scanner B. Bill Counting Machine C. Electric Scale D. Cash Register E. Language Practicing Machine F. Electric Blackboard and Board G. Coin Counting Machine H. Electric Typewriter I. Electric Magnetic Eraser J. Transportation Card Recharger K. Ticketing Machine L. Wireless Data Radio M. Voice and Sound Transmitting Radio N. Internet Multimedia Broadcasting Registering Device O. Cable Broadcasting Terminal Equipment P. Digital Frequency Converting Device Q. A/D & D/A Sign Converting Device R. Ground Wave Television Broadcasting Device S. Cutting Machine T. Visual Projector U. Stereo Imager</p>
	<p>Note) Excluding one with special structure attached to Machinery and Implements</p>
11. Lighting Equipments	
12. DC Power Supply or Electric Appliances used by connected to Electric Recharger	<p>A. Air Cleaner B. Rechargeable power tool C. Cellphone, Smart Phone, TRS Cellphone, Movable Radio Device</p>

Annex 4: Certificate of Supplier's Conformity Verification

공급자적합성 확인서



Certificate of Supplier's Conformity Verification

확인자 Person Issuing Certificate	회사명 Company Name	사업자등록번호 Business Registration No.
	주소 Address	
	대표자 Representative	전화번호 Phone Number

공급자 적합성 확인 Supplier's Conformity Verification	제품명 Product Name	
	기본모델명 Model Name	정격 Rate
	파생모델명 Derivation Model	
	적용안전기준 Applied Safety Standards	

제조업자 Manufacturer	회사명 Company Name	사업자등록번호 Business Registration No.
	주소 Address	
	대표자 Representative	전화번호 Phone No.

상기 공급자적합성확인대상 전기용품이 「전기용품안전 관리법」 제 14 조의 3 제 2 항에 따른 안전기준에 적합함을 확인합니다. The product above is in accordance with the Electrical Appliances Safety Control Act Article 14 Paragraph 3 Section No.2.

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Year 년 Month 월 Day 일

Issuer 확인자

(서명 또는 인)

첨부서류	1. 제품설명서(사진을 포함합니다) 2. 시험결과서(정격, 전기회로 도면, 안전관리부품 및 재질의 목록, 주의 또는 경고문구 등을 포함한 표시사항, 제품시험 일자 및 장소, 제품시험을 실시한 사람의 성명과 소속 등을 포함합니다)
------	--

※ 공급자적합성 확인자는 국내 제조업자 또는 수입업자에 한합니다.

210 mm × 297 mm [일반용지 70g/m²(재활용품)]

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접수번호	Registration No.	접수일자	Registration Date	처리기간	7 일
				Process	Duration

신고인 회사명 Company Name

사업자등록번호 Business Registration No.

Applicant 주소 Address

대표자 Representative

전화번호 Phone No.

자율안전 제품명 Product Name

확인신고 기본모델명 Basic Model Name

정격 Rating

Self 파생모델명 Series Model Name

Regulatory

Safety

Confirmation

제조업자 회사명 Company Name

사업자등록번호 Business Registration

Manufact

No.

uring 주소 Address

대표자 Representative

전화번호 Phone No.

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「전기용품안전 관리법 시행규칙」 제 19 조제 1 항에 따라 위와 같이 전기용품 자율안전확인을
신고합니다.

Above is in accordance with the Electrical Appliances Safety Control Legislation Article 19(1).

Date 년 월 일

Applicant 신고인

Signature (서명 또는 인)

안전인증기관 귀중

- 첨부서류
1. 사업자등록증 사본 Business Registration Copy
 2. 제품 설명서(사진을 포함합니다) Product Guide (picture included)
 3. 자율안전확인 시험결과서 Self Regulatory Safety Testing Report
 4. 대리인임을 증명하는 서류(대리인이 신고하는 경우에만 첨부합니다) Letter of Representative

처리절차

신고서 작성	접수	제품시험	자율안전확 인 신고증명서 작성	결재	자율안전확 인 신고증명서 발급
신고인	처리기관 (인증기관)	처리기관 (인증기관)	처리기관 (인증기관)	처리기관 (인증기관)	

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210 mm × 297 mm [일반용지 70g/m²(재활용품)]

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Annex 5: Application for Electrical Appliances Self-Regulatory Safety Confirmation

■ 전기용품안전 관리법 시행규칙 [별지 제 1 호서식] <개정 2011.9.30>

전기용품 안전인증신청서

Electrical Appliances Safety Certification Application

접수번호	Registration Number	접수일자	Registration Date	처리기간	45 일 Process Duration
제조사	회사 Company Name Manufacturer	주소 Address	대표자 Representative	사업자등록번호 Company Registration No.	전화번호 Phone No.
신청인	회사명 Company Name Applicant	주소 Address	대표자 Representative	사업자등록번호 Company Registration No.	전화번호 Phone No.
안전인증	제품명 Product Name			시료의 개수 Number of Samples	

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Application		Inspection	Test	작성 및 결재	발급
				Fill in Certificate Issuance & Approval	Issue Certificate
신청인	처리기관 (인증기관)	처리기관 (인증기관)	처리기관 (인증기관)	처리기관 (인증기관)	
				210 mm × 297 mm[일반용지 70g/m ² (재활용품)]	



전기용품 안전인증서

Electrical Appliances Safety Certificate

안전인증번호:

(Certificate No.)

제조사명:

(Manufacturer)

대표자명:

(President)

제조공장의소재지:

(Factory Address)

제품명:

(Product)

기본모델명:

(Basic Model)

정격:

(Rating)

파생모델명:

(Series Model)

적용기준:

(Standard)

「전기용품안전 관리법 시행규칙」 제 6 조제 2 항에 따라 위의 전기용품에 대하여 안전인증서를 발급합니다.

We issue this Electrical Appliances Safety Certificate for the above electrical appliance in accordance with the Article 6(2) of the Enforcement Rule of the Electrical Appliances Safety Control Act.

년 월 일

year month day



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210mm×297mm[인쇄용지(특급) 120g/m²]

Annex 6: Korean EMC standards and equivalence with international standards³

(SOURCE: IECEE.ORG, [LINK](#))

³ Source: "EMC Regulatory Requirements applicable in Korea" developed by Worldwide System for Conformity Testing and Certification of Electrotechnical Equipment and Components (IECEE) http://www.iecee.org/cbscheme/emc_reg_requirements/korea_emc_655q.pdf

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Standard	Title	Deviation	Remark
IEC61000-6-1 (ed.1)	Electromagnetic compatibility(EMC)- Part 6 : Generic standards- Section1: Immunity for residential, commercial and light-industrial environments	K : IEC61000-6-1: 1997 KN : No	KS Standards same as IDT IEC61000-6-1 :1997
IEC61000-6-2 (ed.1)	Electromagnetic compatibility(EMC)- Part 6 : Generic standards- Section 1: Emission standard for residential, commercial and light-industrial environments	K : IEC61000-6-2 : 1999 KN : No	KS Standards same as IDT IEC61000-6-2 : 1999
IEC61000-6-3 (ed.1)	Electromagnetic compatibility(EMC)- Part 6 : Generic standards- Section 2: Immunity for Industrial environments	K : IEC61000-6-3:1996 Ed.1 KN : No	KS Standards same as IEC61000-6-3:1996 Ed.1
IEC61000-6-4 (ed.1)	Electromagnetic compatibility(EMC)- Part 6 : Generic standards- Section 4: Emission standard for industrial environments	K : IEC61000-6-4 : 1997 KN : No	KS Standards same as IDT IEC61000-6-4 : 1997
IEC60601-1-2 (ed.2)	Medical electrical equipment – Part 1-2: General requirements for safety - Collateral standard: Electromagnetic compatibility - Requirements and tests	K : No KN : No	KS Standards same as IDT IEC60601-1-2 : 1993
IEC61000-3-2 (Con.ed.2.1)	Electromagnetic Compatibility(EMC)- Part 3-2 : Limits-Limits for harmonic current emissions (equipment input current ≤16A per phase)	K : K61000-3-2 KN : No	KS Standards changed to 60Hz condition
IEC61000-3-3 (Con. ed.1.1)	Electromagnetic Compatibility(EMC)- Part 3 : Limits-Section 3: Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current ≤16A	K : K61000-3-3 KN : No	KS Standards changed to 60Hz condition
IEC61000-3-11 (ed.1.1)	Limits-Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems-Equipment with rated current ≤75 A and subject to conditional connection	K : K61000-3-11 KN : No	KS Standards changed to 60Hz condition
IEC61000-4-2 (Con. ed.1.2)	Electromagnetic Compatibility(EMC)- Part 4-2 : Testing and measurement techniques-Electrostatic discharge immunity test	K : IEC61000-4-2:1995.01 KN : IEC61000-4-2:2001	KS Standards same as IDT IEC61000-4-2 : 1995
IEC61000-4-3 (Con. ed.2.1)	Electromagnetic Compatibility(EMC)- Part 4-3 : Testing and measurement techniques-Radiated, radio-frequency, electromagnetic field immunity test	K: IEC61000-4-3:1996 Amd.1:1998 KN : IEC 61000-4-3:2002	KS Standards same as IDT IEC61000-4-3 : 2002

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규격명	Title	Deviation	Remark
IEC61000-4-4 (ed.2)	Electromagnetic Compatibility(EMC)- Part 4 :Testing and measurement techniques-Section 4: Electrical fast transient/burst immunity test - Basic EMC publication	K : IEC 61000-4-4:1995 KN : IEC61000-4-4:2004	KS Standards same as IDT IEC61000-4-4 : 2002
IEC61000-4-5 (Con. ed.1.1)	Electromagnetic Compatibility(EMC)-Part 4 : Testing and measurement techniques-Section 5: Surge immunity test	K : IEC 61000-4-5:1995 KN : IEC61000-4-5:2001	KS Standards same as IDT IEC61000-4-5 : 2001 Ed1.1
IEC61000-4-6 (Con. ed.1.1)	Electromagnetic Compatibility(EMC)- Part 4 : Testing and measurement techniques- Section 6: Immunity to conducted disturbances, induced by radio- frequency fields	K : IEC 61000-4-6:1996 KN : IEC61000-4-6:2004	KS Standards same as IDT IEC61000-4-6 : 2001
IEC61000-4-8 (Con. ed.1.1)	Electromagnetic compatibility(EMC)- Part 4 :Testing and measurement techniques, Section 8: Power frequency magnetic field immunity test - Basic EMC publication	K : IEC 61000-4-8:1993 KN : IEC61000-4-8:2001	KS Standards same as IDT IEC61000-4-8 : 2001
IEC61000-4-9 (Con. ed.1)	Electromagnetic compatibility (EMC) - Part 4-9: Testing and measurement techniques - Pulse magnetic field immunity test	K : IEC 61000-4-9:1993 KN : No	KS Standards same as IDT IEC61000-4-9: 2001
IEC61000-4-11 (ed.2)	Electromagnetic Compatibility(EMC)- Part 4 :Testing and measuring techniques- Section 11: voltage dips, short interruptions and voltages immunity test	K : IEC 61000-4-11:1994 KN : IEC61000-4-11:2004	KS Standards same as IDT IEC61000-4-11 : 2001
IEC61000-4-12 (Con.ed.1.1)	Electromagnetic Compatibility(EMC)- Part 4 :Testing and measurement techniques-Section 12: Oscillatory waves Immunity test : Basic EMC publication	K : No KN : No	KS Standards same as IDT IEC61000-4-12 : 2001
IEC61547(ed.1) ;am1	Equipment for general lighting purpose EMC immunity requirements	K : IEC61547:1995 KN : No	KS Standards same as IDT IEC61547 : 1995
CISPR 11 (ed4.1), am.1	Industrial, scientific & medical(ISM)-Radio-frequency equipment- Electromagnetic disturbance characteristics-Limits and methods of measurement	K : CISPR 11:1997 Amd1:1999 KN : CISPR 11:1997	KS Standards same as CISPR 11, Ed4.1 :2004
CISPR 13 (ed4.1), am.1	Limits and methods of measurement of radio interference characteristics of sound and television broadcast receivers and associated equipment	K : CISPR 13 Ed4.1 :2003 KN : CISPR 13:1998	KS Standards same as CISPR 13 Ed4.1 :2003
CISPR 14-1 (ed4.2)	Limits and methods of measurement of radio disturbance characteristics of electric motor-operated and thermal appliances for household and similar purposes, electric tools and similar electric apparatus	K : CISPR 14-1, Ed4.2:2002 KN : CISPR 14-1:1999	KS Standards same as CISPR 14-1, Ed4.2:2002
CISPR 14-2, am.1	Electromagnetic compatibility- Requirements for household appliances, electric tools and Similar apparatus- Part 2 : Immunity-Product family standard	K : CISPR14-1, Amd1 :2001 KN : No	KS Standards same as IDT CISPR14-2, Amd1 :2001
CISPR 15 (ed6.2), am.2	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment	K : CISPR 15, Ed.6.2: 2002 KN : CISPR 15:1999	KS Standards same as IDT CISPR 15, Ed.6.2: 2002
CISPR 20 (ed5.5), am.2	Sound and television broadcast receivers and associated equipment – immunity characteristics-limits and methods of measurement	K :CISPR 20, Ed5.0+Amd1:2002 KN : CISPR 20:1998	KS Standards same as CISPR 20, Ed5.0+Amd1:2002

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규격명	Title	Deviation	Remark
CISPR 22, am.1	Information technology equipment- Radio disturbance characteristics- Limits and methods of Measurement	K : CISPR 22, Ed3.0:1997 KN : CISPR22:2004	KS Standards same as IDT CISPR 22, Ed3.0:1997
CISPR 24, am.2	Information technology equipment-Immunity characteristics- Limits and methods of measurement	K : CISPR 24, Ed.1.01:1997 KN : CISPR 24:2002	KS Standards same as IDT CISPR 24, Ed.1.01:1997
IEC 60118-13 (ed.1)	Hearing aids - Part 13: Electromagnetic compatibility (EMC)	K : No KN : No	Old version
IEC 60533 (ed.2)	Electrical and electronic installations in ships – Electromagnetic compatibility	K : No KN : No	KS Standards same as IDT IEC60533 : 1999
IEC61000-2-2 (ed.2)	Electromagnetic compatibility (EMC) – Part 2-2: Environment - Compatibility levels for low-frequency conducted disturbances and signaling in public low-voltage power supply systems	K : No KN : No	KS Standards same as IDT IEC61000-2-2 : 1990
IEC61000-2-4 (ed.2)	Electromagnetic compatibility (EMC) – Part 2-4: Environment - Compatibility levels in industrial plants for low-frequency conducted disturbances	K : No KN : No	KS Standards same as IDT IEC61000-2-4 : 1994
IEC61000-2-9 (ed.1)	Electromagnetic compatibility (EMC) – Part 2: Environment - Section 9: Description of HEMP environment – Radiated disturbance. Basic EMC publication	K : No KN : No	KS Standards same as IDT IEC61000-2-9 : 1996
IEC 61000-2-10 (ed.1)	Electromagnetic compatibility (EMC) – Part 2-10: Environment - Description of HEMP environment - Conducted disturbance	K : No KN : No	KS Standards same as IDT IEC61000-2-10 : 1998
IEC 61000-2-11 (ed.1)	Electromagnetic compatibility (EMC) – Part 2-11: Environment - Classification of HEMP environments	K : No KN : No	KS Standards same as IDT IEC61000-2-11 : 1999
IEC61000-3-5 (ed.1)	Electromagnetic compatibility (EMC) – Part 3: Limits - Section 5: Limitation of voltage fluctuations and flicker in low-voltage power supply systems for equipment with rated current greater than 16 A	K : No KN : No	KS Standards same as IDT IEC61000-3-5:1994
IEC61000-3-6 (ed.1)	Electromagnetic compatibility (EMC) – Part 3: Limits - Section 6: Assessment of emission limits for distorting loads in MV and HV power systems - Basic EMC publication	K : No KN : No	KS Standards same as IEC61000-3-6: 년도 없음 (내용 일부 변경)
IEC61000-3-7 (ed.1)	Electromagnetic compatibility (EMC) – Part 3: Limits - Section 7: Assessment of emission limits for fluctuating loads in MV and HV power systems – Basic EMC publication	K : No KN : No	KS Standards same as IDT IEC61000-3-7 : 1996
IEC61000-3-8 (ed.1)	Electromagnetic compatibility (EMC) – Part 3: Limits - Section 8: Signaling on low-voltage electrical installations – Emission levels, frequency bands and electromagnetic disturbance levels	K : No KN : No	KS Standards same as IDT IEC61000-3-8 : 1997

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규격명	Title	Deviation	Remark
IEC61000-4-1 (ed.2)	Electromagnetic compatibility (EMC) – Part 4-1: Testing and measurement techniques – Overview of IEC 61000-4 series	K : No KN : No	NO
IEC61000-4-7 (ed.2)	Electromagnetic compatibility (EMC) – Part 4-7: Testing and measurement techniques – General guide on harmonics and inter-harmonics measurements and instrumentation, for power supply systems and equipment connected thereto	K : No KN : No	KS Standards same as IDT IEC61000-4-7 : 2002
IEC61000-4-13 (ed.1)	Electromagnetic compatibility (EMC) – Part 4-13: Testing and measurement techniques – Harmonics and inter-harmonics including mains signaling at a.c. power port, low frequency immunity tests	K : No KN : No	KS Standards same as IDT IEC61000-4-13 : 2002
IEC61000-4-14 (Con. ed.1.1)	Electromagnetic compatibility (EMC) – Part 4-14: Testing and measurement techniques – Voltage fluctuation immunity test	K : No KN : No	KS Standards same as IDT IEC61000-4-14 : 1999
IEC61000-4-15 (Con. ed.1.1)	Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques - Section 15: Flicker meter – Functional and design specifications	K : No KN : No	KS Standards same as IDT ISO61000-4-15 : 1997
IEC61000-4-16 (Con. ed.1.1)	Electromagnetic compatibility (EMC) – Part 4-16: Testing and measurement techniques - Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz	K : No KN : No	KS Standards same as IDT IEC61000-4-16 : 1998
IEC61000-4-17 (Con. ed.1.1)	Electromagnetic compatibility (EMC) – Part 4-17: Testing and measurement techniques - Ripple on d.c. input power port immunity test	K : No KN : No	KS Standards same as IDT IEC61000-4-17 : 1999
IEC61000-5-5 (ed.1)	Electromagnetic compatibility (EMC) – Part 5: Installation and mitigation guidelines - Section 5: Specification of protective devices for HEMP conducted disturbance. Basic EMC Publication	K : No KN : No	KS Standards same as IDT IEC61000-5-5 : 1996
IEC61000-5-7 (ed.1)	Electromagnetic compatibility (EMC) – Part 5-7: Installation and mitigation guidelines - Degrees of protection provided by enclosures against electromagnetic disturbances (EM code)	K : No KN : No	KS Standards same as IDT IEC61000-5-7 : 2001
IEC61800-3 (ed.2)	Adjustable speed electrical power drive systems – Part 3: EMC requirements and specific test methods	K : No KN : No	KS Standards same as IDT IEC61800-3 : 1996
IEC62040-2 (ed.1)	Uninterruptible power systems (UPS) – Part 2: Electromagnetic compatibility (EMC) requirements	K : No KN : No	KS Standards same as IDT IEC62040-2 : 1999

Annex 7: Classification of products subject to EMC certification by conformity assessment regime

1. List of products subject to the Certification of conformity procedures (EMC certification can be done based on tests by a notified EU laboratory)

Wireless telephone alarm automatic receiver	Loudspeaker activated when wireless telephone alarm radio signal is received
	Audible alarm activated when wireless telephone alarm radio signal is received
	Loudspeaker and audible alarm activated when wireless telephone alarm radio signal is received
Radio direction finder	Medium radio direction finder
	Short-to-medium radio direction finder
	Combined radio direction finder
	Medium radio direction finder
	Short-to-medium radio direction finder
	Combined radio direction finder
Radio equipment installed in compulsory aircraft stations	Radio equipment installed in compulsory aircraft stations
Automatic warning telephony system	Automatic warning telephony system
Transmitter and receiver for wireless base station telephones using single sideband radio waves	Aviation mobile service equipment
	Inland mobile service equipment
	Maritime mobile service equipment
Radar equipment for ship stations	Effective diameter of 32cm or longer on the indication surface
	Effective diameter 25cm or longer and less than 32cm on the indication surface
	Effective diameter 18cm or longer and less than 25cm on the indication surface

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	Radar for domestic navigation
	Radar for small domestic ships
Interactive radio telephony system for ship stations using F3E and G3E radio waves	
Digital selective calling system	For coast station use
	For ship station use
Narrow band direct-printing telegraphy	
Digital selective calling system for maritime mobile service	MF and HF transceiver
	VHF transceiver
	MF-only receiver
	MF and HF-only receiver
	VHF-only receiver
Navtex receiver	
Location data transmitter for search and rescue	Search and rescue radar transponder
Location data transmitter for search and rescue	Transmitter using automatic ship identification function
Satellite emergency position indication radio beacon	Simple navigating data recorder attached
Satellite emergency position indication radio beacon	Simple navigating data recorder not attached
Radio equipment for Automatic Identification System	Automatic ship identification

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Radio equipment for Automatic Identification System	Automatic identification system for aiding navigation
Radio equipment for use in radio agencies	Frequency sharing system
Radio equipment according to Article 107 of the Rules on Radio Equipment	
High frequency medical equipment	
Radio equipment for radio call stations	
MCA wireless equipment for mobile communications	Inland mobile station transceiver
Mobile radio telephones	Base station transceiver and repeater
	Mobile equipment for computers
	Channel converter for handoff
	Other
LTE wireless equipment for mobile communications	Inland mobile station transceiver
	Base station transceiver and repeater
	Mobile equipment for computers
	Channel converter for handoff
	Other
Radio equipment for personal mobile communication	Inland mobile station transceiver
	Base station transceiver and repeater
	Mobile equipment for computers
	Channel converter for handoff

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	Other
IMT wireless equipment for mobile communications	Inland mobile station transceiver
Radio equipment for mobile communication	Base station transceiver and repeater
	Mobile equipment for computers
	Channel converter for handoff
	Other
Radio equipment for radio data communication using 900MHz frequency	
Trunked Radio System telephone	Inland use
	Marine use
	Repeater and mobile relay station transceiver
Radio equipment for citizen band radio stations	
Radio equipment for marine radio services	
Radio equipment for satellite mobile communication radio stations	
Radio equipment for radio exploration	
Radio equipment for amateur radio stations	HF system
	VHF/UHF system, etc.
Radio equipment for local loops	2.3GHz spectrum system
	26GHz spectrum system

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Radio equipment for emergency radio telephony	
Radio equipment for radio CATV	2.5GHz spectrum system
	25GHz spectrum system
Radio equipment for broadcasting production and performance event support	
Magnetic field inductive radio equipment	
Radio equipment for mobile Internet	
Radio equipment for location based services	
Low-power radio equipment	Radio equipment for wireless control
	Radio equipment for data transfer
	Radio equipment for safety systems
	Radio equipment for voice and sound signal transmission
	Radio equipment for wireless connection systems including wireless LAN
	Repeater radio equipment
	Radar radio equipment to prevent vehicle crash
	Radio equipment for wireless data communication systems
	Radio equipment for detecting moving objects
	Radio equipment for small base stations
Radio equipment for RFID/USN	900 MHz spectrum system
	433 MHz spectrum system

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	13.56 MHz spectrum system
MICS (Medical Implant Communication System)	400MHz spectrum system
Radio equipment for object detecting sensors	24GHz spectrum system
Cordless telephones	1.7GHz spectrum system
	2.4GHz spectrum system
UWB and general purpose equipment	UWB equipment
	57~64GHz spectrum system
Terminals	Telephone (including headset telephone)
	Multi-functional telephone (telephone with additional non-telephony features like clock, radio, TV, and door phone functions)
	Connecting device used with the telephone (Internet phone, telephone connector, bridge for meeting, circuit adapter, caller identifier, incoming call indicator, call detector, call time recorder, automatic dialer, long distance automatic calling controller, incoming call forwarder, automatic answering machine, etc.)
	Facsimile (including additional telephone function)
	Video phone
	Multifunctional terminals featuring telephone function (home automation, video door phone, etc.)
	Public telephone
	Data transmission and search terminal using the public telephone line
	Modem without dialing function (including card type)
	Modem with dialing function (including card type)
	Facsimile modem (including data card type)

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	Short distance data channel modem (for remote communication, LADC)
	Wireless modem
	Credit card reader
	Specific purpose terminal with built-in modem (banking terminal, data search terminal, ATM, etc.)
	Information and communication terminal built into a PC
	Video transmitter (incl. picture transmitter and video conference system)
	Codec
	Multi-functional supplementary terminal (dialing-type terminal for automated telemarketing)
	Data protector used for analog communication networks
	Emergency notification system (for notification of fires, gas leaks, intrusions, malfunctions, etc.)
	Communication device for remote meter reading
	Remote controller
	Tester for communication equipment maintenance
	Line problem detector
	Subscriber protector
	ISDN network termination equipment (NTE)
	ISDN terminal (ISDN phone, terminal adapter, interface card, etc.)
	Multi-functional ISDN equipment (ISDN video system, ISDN multi-functional terminal, G4 facsimile, SDN router, etc.)
	Digital subscriber line terminal
	Internet phone (IP telephony)
Internet multimedia terminal (IPTV)	

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	Optical Line Terminal
	Other terminals (not specially classified)
Systems	Switchboard(incl. line detection and response console)
	Data switching exchange
	Voice/data switchboard (incl. ISDN switchboard)
	Private branch exchange (PBX)
	ATM switchboard
	Key phone system
	Combined key phone and PBX system
	Automatic voice processing system (incl. card type)
	Electronic mailbox system (incl. card type)
	Multimedia server with direct inward dialing (DID) function
	Interface to connect in-house communication equipment to a backbone communication network
	Calling system directly connected to a broadcasting and communication network
	Other systems (not specifically classified)
	Circuit terminals
Digital communication equipment with built-in CSU	
Multiplexer, channel bank, or digital communication equipment connected to a CSU	
Digital service peripheral with functions like remote problem diagnosis	
Line terminal for fiber optic communication	
LAN and WAN transmitter (limited to equipment with direct connection to a	

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	network)	
	PCM terminal	
	Other line terminals (not specifically classified)	
Transport network equipment	Amplitude modulator	
	Frequency modulator	
	Frequency modulator (wireless)	
	Signal processor	
	Amplifier	
	Level controller	
	Frequency converter	
	Optical transmitter/receiver	
	Light amplifier	
	Cable modem	
	Other transport network equipment (not specifically classified)	
	High frequency equipment used for industrial, scientific, or medical purposes: (Equipment in accordance to Items B and F of Article 58-3, Paragraph 1, Subparagraph 4 of the Radio Waves Act and high frequency application equipment that fall under each subparagraph of Article 58, Paragraph 1 of the same Act are excluded)	Industrial-purpose high-frequency equipment
		Scientific- purpose high-frequency equipment
Medical-purpose high-frequency equipment		
Home-use high-frequency equipment		
Engine starter for automobiles and ignition: Automobiles and ignition, engine starter equipment that interfere with radio	Vehicle equipment	
	Ignition and engine starter equipment	

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<p>communication or broadcasting reception (Automobiles, motorcycles, automobiles with maximum speeds of 25 or below in accordance to Item D of Article 58-3, Paragraph 1, Subparagraph 4 of the Radio Waves Act are excluded)</p>	<p>Digital equipment for installation in vehicles (vehicle mechatronic parts)</p>
<p>Broadcasting set-top box and related equipment: Sound or television receivers for receiving broadcasts or similar information within a frequency range of 9kHz to 400GHz and equipment that are directly connected to such equipment to create or recreate sound or visual information (Equipment in accordance to Item B of Article 58-3, Paragraph 1, Subparagraph 4 of the Radio Waves Act are excluded)</p>	<p>Sound broadcast reception equipment</p>
	<p>Television broadcast reception device</p>
	<p>TV tuner cards for PCs</p>
	<p>Other broadcast reception-related equipment</p>
<p>Electrical and electrical motor equipment for domestic use: Domestic electrical appliances, portable power tools, electrical heaters and other electrical equipment (Excluding equipment in accordance to Article 58-3, Paragraph 1, Subparagraph 4, Item B of the Radio Wave Act)</p>	<p>Domestic electrical equipment</p>
	<p>Portable power tools</p>
	<p>Electrical heaters</p>
	<p>Other electrical equipment</p>
<p>Lighting equipment such as fluorescent lamps: fluorescent lamps and equipment or device with lighting function with 9kHz to 400GHz frequency range (Excluding equipment in accordance to Article 58-3, Paragraph 1, Subparagraph 4, Item B of the Radio Wave Act)</p>	<p>Lighting equipment</p>
	<p>Other lighting-related equipment</p>

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High voltage equipment and peripherals	
Information device: Equipment fitted with a circuit for creating a timing signal or pulse that is 9kHz or higher, or equipment that has one or a combination of inputting, storing, outputting, searching, transferring, processing, switching, controlling data and broadcasting/communication message as a main function and has one or more ports for transfer of information that has a rated voltage not exceeding 600 V	Computers
	Computer accessories : input devices
	Computer accessories : output devices
	Computer accessories : external storage devices
	Computer accessories : controllers
	Computer accessories : other computer accessories
	Computer accessories : boards
	Computer internal components : storage devices
	Computer internal components : power supply
	Computer internal components : controllers
	Computer internal components : other computer internal components
	Other information devices
	Telecommunication equipment with 9kHz or higher frequency (Excluding equipment in accordance to Article 58-1, Paragraph 2 of the Radio Wave Act)
Radio equipment using weak radio waves: Equipment that comply with the regulations in each paragraph of Article 97 of the Rules on Wireless Equipment	
Other equipment that items 1 through 9	

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2. List of products subject to the procedure of Registration of compatibility after in-house testing

1. Equipment used for measurement or inspection	Testing or measuring instrument (oscilloscope, electric field strength meter, spectrum analyzer, network analyzer, etc.)
	Mobile automobile diagnostics system
2. Equipment used for industrial or scientific purposes ("Industrial purpose" equipment refers to equipment directly used in the manufacture of a product or at a production factory)	Industrial computer
	Industrial plant equipment controlled by industrial computer
3. Equipment used in a limited space for a specific purpose	Electronic trip computer
	Parking gate control system

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4. Equipment causing minor hazard to the network	Wire communication system accessory: concentrators used for answering service
	Wire communication system accessory: accessories used in the system
5. Equipment for electric trains: Electric trains, power units, control units and other equipment in electric trains; signaling systems and communication systems for movement control; and other fixed-power facilities	
6. High voltage equipment and additional equipment	
7. Other equipment relevant to each item	<p>A. Other equipment that applies to items 1 through 6 recognized by the director general of the RRA</p> <p>B. Among the certified equipment of designated certifying agency in Annex 2, equipment other than the equipment with conditions (Rated power input, output voltage, rated power, power consumption, normal current), and equipment in special condition</p>

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I hereby apply for registration of compatibility for broadcasting and communications equipment in accordance to Article 58-2, Paragraph 3 of the Radio Wave Act.

Year Month Day

Applicant (signature or seal)

To the Director General of the Radio Research Agency

※ Attached documents (in accordance to Article 5, Paragraph 1)

1. Letter of confirmation verifying compliance to conformity assessment criteria (Annex Form 6)
2. Letter of representation (Annex For 4: Letter of Attorney (Representation))

Fee

Fee in accordance to Article 97-2 of the 『Enforcement Decree of the Radio Wave Act』

210mm×297mm (newsprint 54g/m²(recycled))

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※ Documents that the applicant must preserve

1. Letter of confirmation verifying compliance to the conformity assessment criteria (Annex Form 6)

2. Test report

- This refers to test reports in accordance to Article 58-8 of Radio Wave Act: Test reports issued by the head of the testing agency or the director general of the RRA and test reports issued by the head of a testing agency of a country that has signed a mutual recognition agreement with Korea which the director general deems credible

3. User's manual

- Must include equipment overview, specifications, included accessories, and operating instructions.
- Must include the Notice to Users (Annex Table 4) in the case of EMC compliant equipment.

4. Appearance drawing (photo)

- This refers to a drawing of the entire exterior of the product in which the conformity assessment labeling is easily distinguishable.

5. Part arrangement diagram or photo

- Limited to parts marked in the circuit diagram that can affect issues concerning technical standards. The electrical characteristics of the parts must be shown.

6. Circuit diagram

- The entire circuit diagram may be omitted in the case of equipment subject only to EMC standards, while in the case of equipment that use radio frequency modules that have received conformity assessment as a component, the component may be omitted from the circuit diagram.

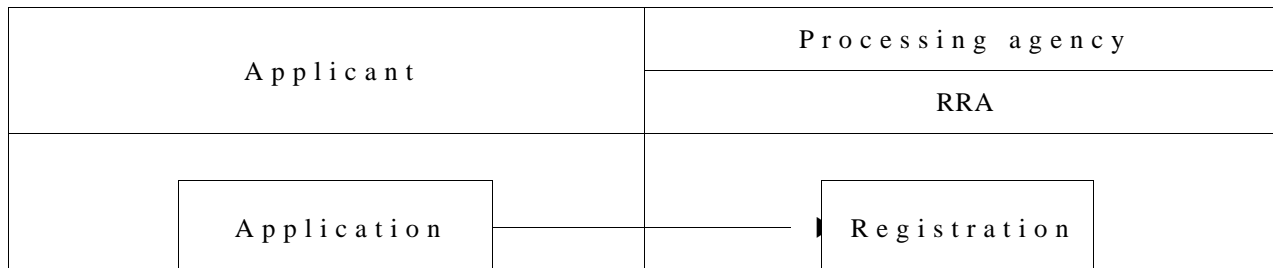
7. Letter of representation (Annex Form 4: Letter of Attorney (representation) in accordance to Article 27)

※ Note

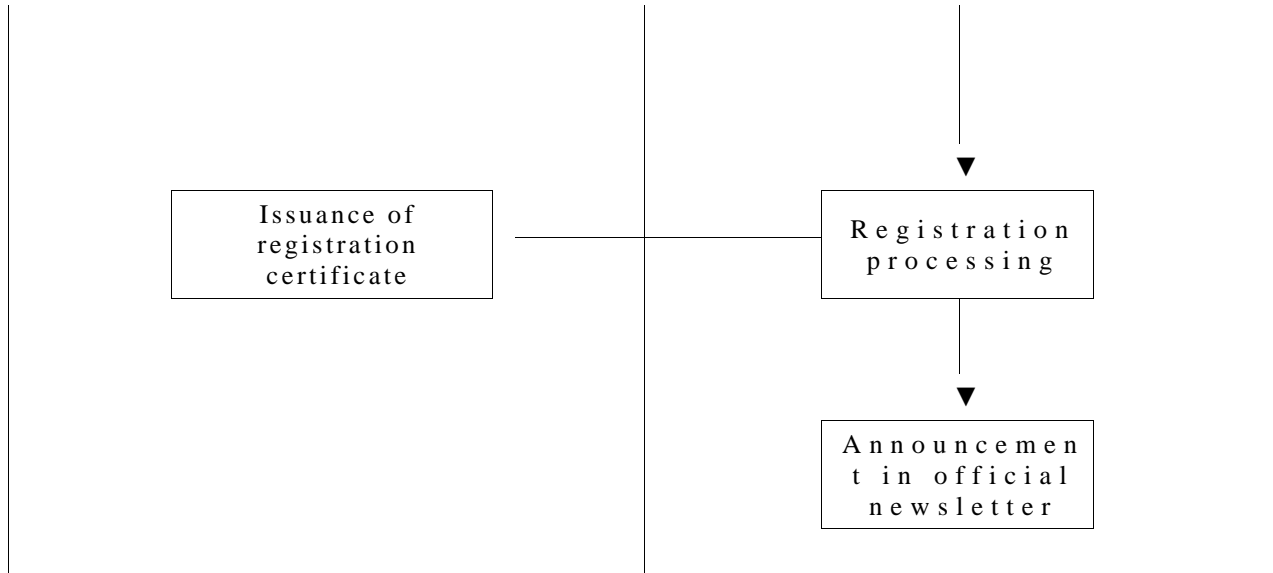
o Importers filing the application should fill in the trade name and address of the overseas manufacturer in the 'manufacturer' blank and the importer's personal information in the 'applicant' blank.

o Additional information may be added in the case of multiple manufacturers or manufacturing countries.

This application form is processed through the following procedure.



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Annex 9: Letter of confirmation verifying compliance

(Front)

Letter of Confirmation Verifying Compliance to Conformity Assessment Criteria (Related to Article 8)				
Equipment information	Trade name		Name of CEO	
	Address	(Address)		
	Person in charge	Name: Phone: E-mail : Fax :		
	Equipment name		Product identification code	
	Equipment code (Type identification)		Basic model number	
	Series model number			
	Manufacturer		Country of origin	
	Testing agency		Technical manager	
C o n f o r m i t y a s s e s s m e n t r e s u l t s	Applied conformity assessment criteria	Conformity assessment results	Preparation of required documents	Improvements to equipment
			<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO

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I hereby confirm that the above equipment applied for registration of compatibility complies with the relevant conformity assessment criteria.

Year Month Day

Applicant (signature or seal)

To the director general of the Radio Research Agency

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※ How to prepare the attached documents

1. Trade name

- Write the trade name of the company applying for registration of compatibility.

2. Name of CEO

- Write the name of the CEO of the company applying for registration of compatibility.

3. Address

- Write the address and postal code of the company applying for registration of compatibility.

4. Person in charge

- Write the name and address of the person who directly manages the equipment.

5. Equipment name

- Write the name of the equipment applied for registration of compatibility.(Ex: computer, printer, monitor)

6. Product identification number

- Refers to the product's management number given by the applicant.

7. Equipment code (type identification)

- Refer to the "Instructions for marking equipment code and type identification for conformity assessment of broadcasting and communication equipment".

8. Basic model number

- Write the model number of the equipment applied for conformity assessment.

9. Series model number

- Write the name of the series model if the equipment has one.

10. Manufacturer/country of origin

- Write the name of the manufacturer defined in Article 2, Paragraph 1. In 'country of origin,' write the name of the country where the equipment was manufactured.

11. Testing agency

- Write the name of the testing agency that tested the conformity assessment criteria.

12. Technical manager

- Write the name of the technical manager included in the test report.

13. Applied conformity assessment criteria

- Write the criteria applied to the equipment. (ex: KN22 electro-magnetic wave emission standards (Class B))

14. Conformity assessment results

- Write whether the equipment complies with the conformity assessment criteria (technical standards).

15. Preparation of required documents

- Write whether the documents required to be preserved by the applicant in accordance to Article 10, Paragraph 1 have been prepared.

16. Improvements to equipment

- Write any improvements/modifications (Debugging) made to the equipment during the testing process for confirming conformity assessment criteria.

Annex 10: Notice of registration of compatibility after in-house testing

방송통신기자재등의 적합등록 필증 <i>Registration of Broadcasting and Communication Equipments</i>	
상호 또는 성명 <i>Trade Name or Registrant</i>	
기기 명칭 <i>Equipment Name</i>	
기본모델명 <i>Basic Model Number</i>	
파생모델명 <i>Series Model Number</i>	
등록번호 <i>Registration No.</i>	
제조사/제조국가 <i>Manufacturer/Country of Origin</i>	
등록연월일 <i>Date of Registration</i>	

위 기기는 「전파법」 제58조의2 제3항에 따라 등록되었음을 증명합니다.
This is to verify that the foregoing equipment has been registered under Article 58-2,
Paragraph 3 of the Radio Wave Act.

년(Year) 월(Month) 일(Date)

Director General of RRA [official seal]

*Director General of Radio Research Agency
Korea Communications Commission Republic of Korea*

※ Certified broadcasting and communications equipment must be distributed with the “conformity assessment label” attached.

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Annex 11: Confirmation of exemption

Confirmation of exemption from conformity assessment (application form)				Processing period	
				1 day	
① I m p o r t e r	Trade name		Business registration number (Resident registration number)		
	Name		C o n t a c t i n f o r m a t i o n	Phone	
				Fax	
Address					
② C o n s i g n e r (a p p l i c a n t)	Trade name		Business registration number (Resident registration number)		
	Name		C o n t a c t i n f o r m a t i o n	Phone	
				Fax	
Address					
③ E q u i p m e n t	Product name		Model number		
	Manufacturer		Country of origin		
	Quantity		Price		
④ Customs office		⑤ Reason for exemption application (Relevant clause)			
⑥ Exemption confirmation number		⑦ Agency for post-market surveillance	Radio Research Agency		
<p>I hereby apply for exemption from conformity assessment for the above equipment in accordance to Article 58-3 of the Radio Wave Act.</p> <p style="text-align: right;">Year Month Day</p> <p style="text-align: right;">Applicant (signature or seal)</p> <p>To the Director General of the Radio Research Agency</p>					

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This is to confirm that the above equipment is subject to exemption from conformity assessment in accordance to Article 58-3 of the Radio Wave Act.

Year Month Day

Director General of the RRA [official seal]

Attached documents	1. Documents verifying exemption: Documentation verifying the reasons specified in the subparagraphs of Article 19, Paragraph 1 such as a test and research plan, explanation letter, export contract, supply contract
	2. Documents verifying the name and quantity of the imported goods: Import contract, offer sheet, invoice, etc.
	<u>※ Note</u> 1. In the case of equipment falling under Article 18, Paragraph 1, Subparagraph 1, Item H, submission of the confirmation of exemption from conformity assessment (application form) may be omitted. 2. Conformity assessment will be exempt only for the quantity marked on this form. 3. This form may be used for submission to the customs office.

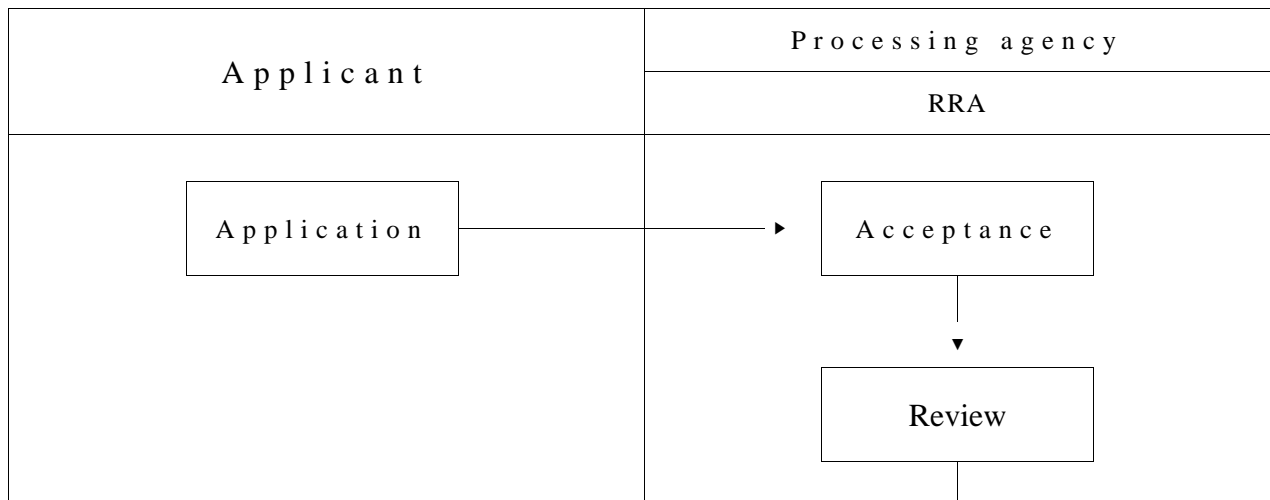
(Back)

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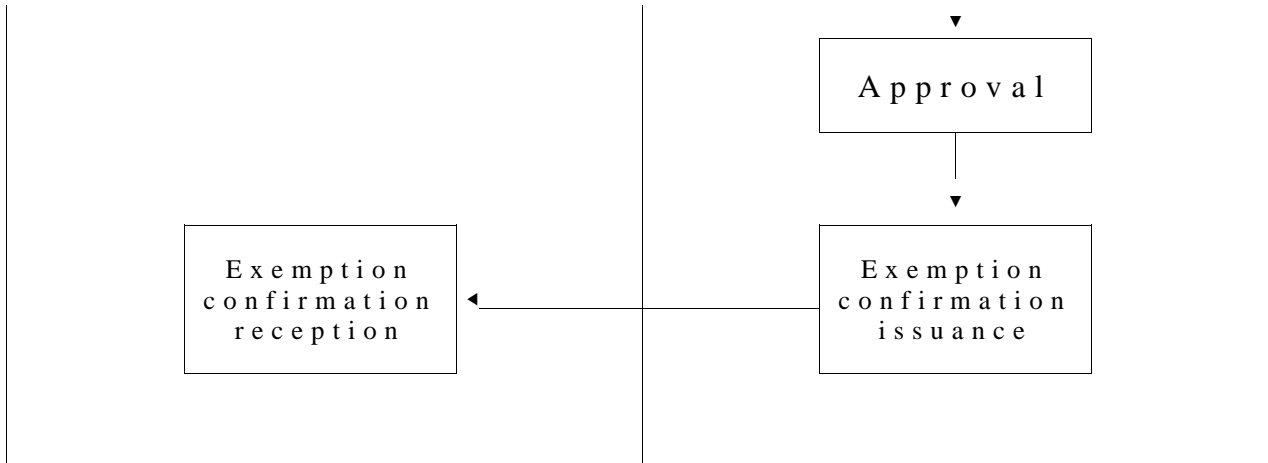
※ How to prepare the form

- ① Importer: Include information on the party importing the equipment upon request from the applicant.
- ② Consigner (applicant): Include information on the party that directly uses the imported equipment.
- ③ Equipment: Include information on the equipment applied for exemption from conformity assessment.
- ④ Name of customs office: Include the name of the customs office that the equipment passed clearance.
- ⑤ Reason for exemption application: Include the exact clause on requirement for exemption in Article 18 that applies to the equipment.
- ⑥ Exemption confirmation number: This blank is for the agency confirming the exemption. Do not fill in.
- ⑦ Agency for post-market surveillance: The agency for post-market surveillance may conduct inspection to check whether the usage of the equipment is in compliance to the conditions for exemption. The applicant may be subject to subject to legal penalties in the case it is revealed that the equipment is in violation of the conditions for exemption.

This application form is processed through the following procedure.



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Annex 12: Application form for Certification of Conformity

(Front)

Certification of Conformity for Broadcasting and Communications Equipment Application Form				Processing period
				5 d a y s
Applicant	Trade name		Identification code	
	Name of CEO		Business registration number	
	Address	(Postal code)		
	Person in charge	Name: Phone: E-mail : Fax :		
	Applicant type	<input type="checkbox"/> Importer <input type="checkbox"/> Manufacturer <input type="checkbox"/> Seller		
Equipment	Equipment name		Product identification code	
	Equipment code (Type identification)		Basic model number	
	Series model number			
	Usage			
	Applied conformity assessment criteria	<input type="checkbox"/> Radio communication <input type="checkbox"/> Wire communication <input type="checkbox"/> EMC <input type="checkbox"/> SAR <input type="checkbox"/> Electrical safety (※ Check the test areas for the equipment)		
	Preclearance test application	<input type="checkbox"/> YES (test agency name: test application number:) <input type="checkbox"/> NO (※ Please fill in for products applied for preclearance test)		
	Manufacturer		Country of origin	
	Address			

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I hereby apply for certification of conformity for broadcasting and communications equipment in accordance to Article 58-2 of the Radio Wave Act.

Year Month Day

Applicant (signature or seal)

To the Director General of the Radio Research Agency

	Fee
※ Attached documents (According to Article 5, Paragraph 1) 1. Test report 2. User's manual	Fee in accordance to Article 97-2 of the 『Enforcement Decree of the Radio Wave Act』
3. Appearance drawing 4. Part arrangement diagram or photo 5. Circuit diagram 6. Letter of representation (Annex Form 4: Letter of Attorney (Representation))	

210mm×297mm (newsprint 54g/m²(recycled))

(Back)

※ How to prepare attached documents

1. Test report

- This refers to test reports in accordance to Article 58-2 of Radio Wave Act: Test reports issued by the head of the testing agency or the director general of the RRA and test reports issued by the head of a testing agency of a country that has signed a mutual recognition agreement with Korea which the director general deems credible

2. User's manual

- Must include an equipment overview, specifications, included accessories, and operating instructions.
- Must include the Notice to Users (Annex Table 4) in the case of EMC compliant equipment.

3. Appearance drawing (photo)

- This refers to a drawing of the entire exterior of the product in which the conformity assessment labeling is easily distinguishable.

4. Part arrangement diagram or photo (not required for EMC compliant equipment)

- Limited to parts marked in the circuit diagram that can affect issues concerning technical standards. The electrical characteristics of the parts must be shown.

5. Circuit diagram

- The entire circuit diagram may be omitted in the case of equipment subject only to EMC standards, while in the case of equipment that use radio frequency modules that have received conformity assessment as a component, the component may be omitted from the circuit diagram.

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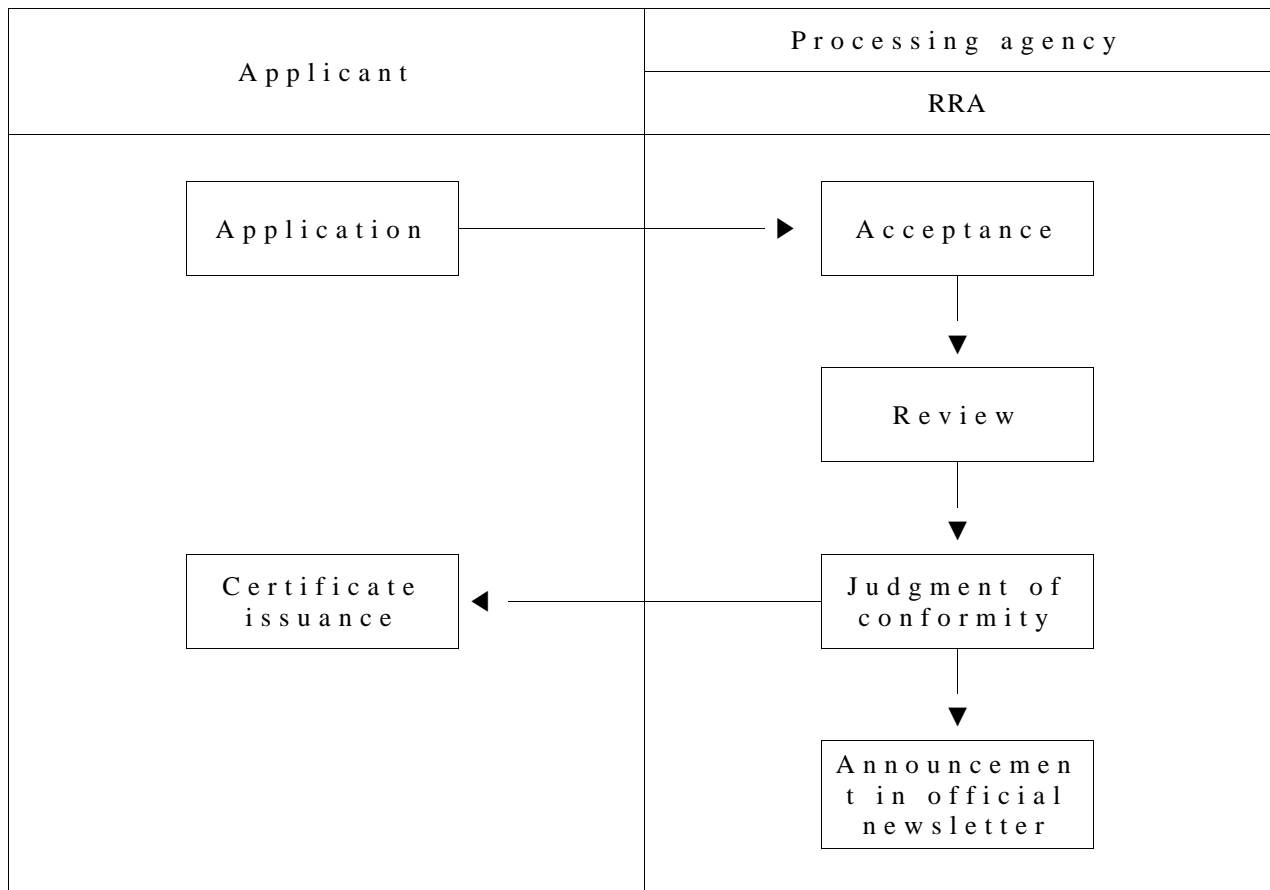
6. Letter of representation (Annex Form 4: Letter of Attorney (representation) in accordance to Article 27)

※ Other

o Importers filing the application should fill in the trade name and address of the overseas manufacturer in the 'manufacturer' blank and the importer's personal information in the 'applicant' blank.

o Additional information may be added in the case of multiple manufacturers or manufacturing countries.

This application form is processed through the following procedure.



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Annex 13: Conformity Assessment Identification code application form

Conformity Assessment Identification Code Application Form						
Applicant	Trade name			Business registration number		
	Name of CEO					
	Address					
	Contact	Person in charge			Department	
		Phone			Mobile	
		Fax			e-mail	
Preferred identification code	1st choice			2nd choice		
	3rd choice			4th choice		
	※ You will be designated with an identification code that does not coincide with that of another company.					
<p>I hereby apply for designation of a conformity assessment applicant identification code in accordance to Article 5, Paragraph 4 of the Public Notification on Conformity Assessment for Broadcasting and Communications Equipment.</p> <p align="center">Year Month Day</p> <p align="center">Applicant (signature or seal)</p> <p>To the Director General of the Radio Research Agency</p>						
Attached documents		Item to be verified by the public official (Submit the document if you do not agree to the below)			Fee	
Business registration certificate (copy)		Business registration certificate (copy)			n/a	

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I agree to the public official's verification of the relevant information applying to 'item to be verified by the public official' in the handling of this application via shared use of administrative information in accordance to Article 36 of the Electronic Government Act.

Year Month Day

Name: _____ (signature or seal)

Resident registration number:

Telephone number:

Annex 14: Notice of registration

방송통신기자재등의 적합인증서 <i>Certification of Broadcasting and Communication Equipments</i>	
상호 또는 성명 <i>Trade Name or Applicant</i>	
기기 명칭 <i>Equipment Name</i>	
기본모델명 <i>Basic Model Number</i>	
파생모델명 <i>Series Model Number</i>	
인증번호 <i>Certification No.</i>	
제조사/제조국가 <i>Manufacturer/Country of Origin</i>	
형식기호 <i>Type Identification</i>	
인증연월일 <i>Date of Certification</i>	
기타 <i>Others</i>	

위 기기는 「전파법」 제58조의2 제2항에 따라 인증되었음을 증명합니다.

This verifies that the foregoing equipment has been registered under Article 58-2, Paragraph 2 of Radio Wave Act.

년(Year) 월(Month) 일(Date)

Director General of RRA [official seal]

*Director General of Radio Research Agency
Korea Communications Commission Republic of Korea*

※ Certified broadcasting and communications equipment must be distributed with the “conformity assessment label” attached.

Failure to do so may lead to fines and cancellation of the certification.

Annex 15: Letter of Attorney (representation)

Letter of Attorney (Representation)

To the Director General of the Radio Research Institute

Grantor	Trade name			
	CEO or person in charge of certification	(signature or seal)		
	Address			
	Phone		FAX	
	Person in charge		e-mail	
Equipment	Equipment name			
	Model number			
	Manufacturer			
	Country of origin			

In accordance to Article 27 of the Public Notification on Conformity Assessment for Broadcasting and Communications Equipment, I hereby designate the below party as my attorney acting on my behalf in the overall matters concerning the application of the conformity assessment for the equipment.

Date of confirmation: Year Month Day

Attorney	Trade name			
	Business (corporate body) registration number			
	CEO	(signature or seal)		
	Address			

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	Phone		FAX	
	Person in charge		e-mail	

210mm×297mm(plain paper 54g/m²)