

KC Mark_KOREA CERTIFICATION
INTERTEK'S SERVICE



ONE STOP SERVICE

Intertek is a global testing and certification company that provides fast and effective solution such as assurance, testing, inspection and certification. Intertek Korea provides safety, EMC/RF, RoHS and energy efficiency services in our own lab. And we cover the household appliances, commercial product, HVAC, multi-media product, ITE, lighting and medical product etc. We give full satisfaction to you with ONE-STOP service.

Table with 3 columns: KC EMC/RF, KC Safety, K-MEPS/E-STANDBY. Each column lists specific services provided by Intertek Korea.

ACCREDITATION



- RRA : EMC/RF
- KEMCO : Energy efficiency & e-Standby
- KOLAS(under ILAC) : Safety, RoHS, Energy efficiency & EMC
- IECEE : Safety, EMC, RoHS
- SASO, CBTL, EPA, SCC, OSHA, FCC/IC, NOM etc.

CORE BUSINESS

Table with 3 columns: Service, Certification, Product. Lists various services, international certifications, and product categories covered by Intertek Korea.



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KOREA CERTIFICATION

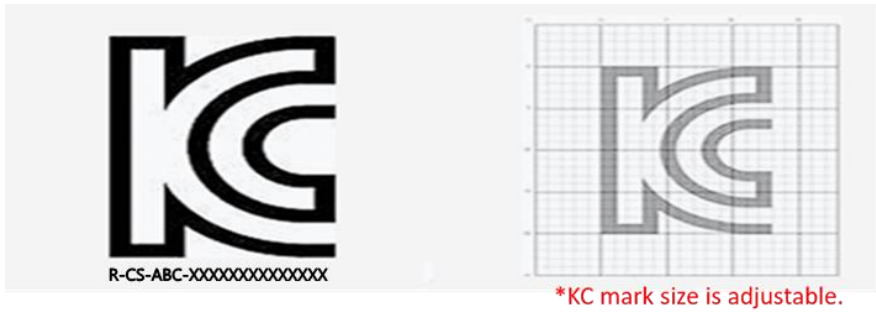
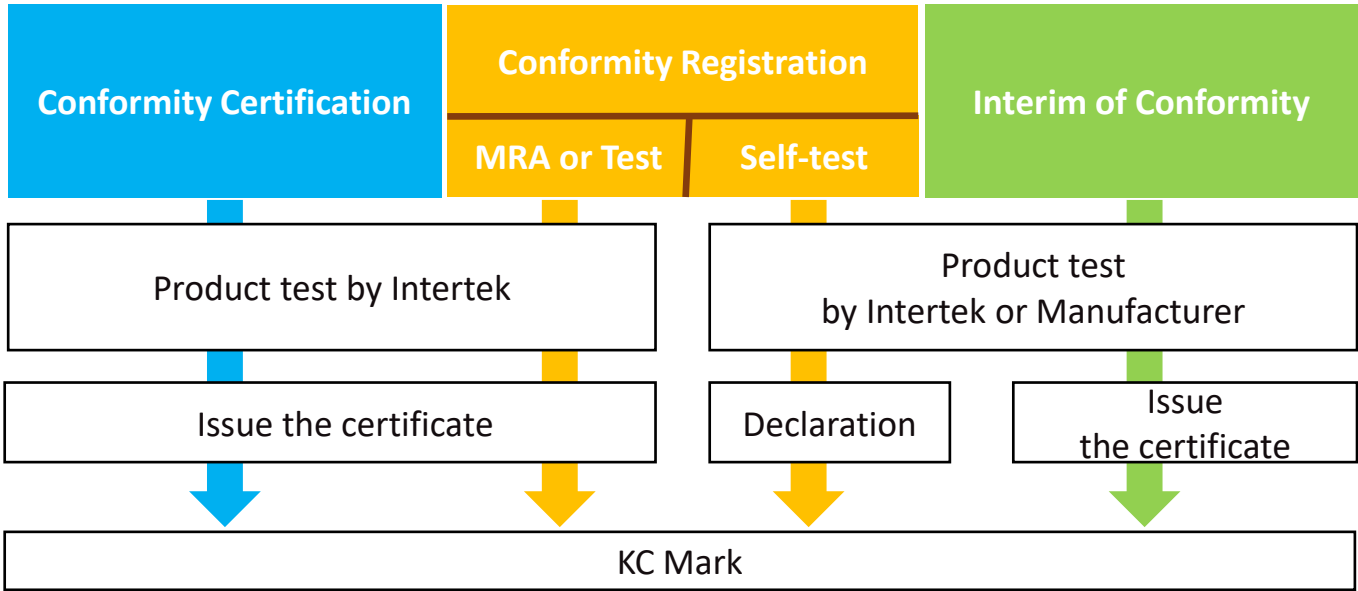
KC MARK : EMC/RF



KC is a mandatory system to sell only the certified products by Radio Research Agency in accordance with item 2 of Article 58 of Radio Waves Act and is categorized into three systems of conformity certification, conformity registration and interim of conformity.

Conformity Certification	Conformity Registration (or Self-conformity)	Interim Conformity
<ul style="list-style-type: none">Equipment that can harm the radio environment, the broadcasting communication network as well as, those whose normal operation can be affected by radio waves are subject to certification.Wireless telephone alarm automatic receiver, Marine Station Radar, Wireless modem, etc. (Total 62 items)	<ul style="list-style-type: none">Broadcasting and communication equipment that is not subject to certification of conformity are subject to Registration.Computer and Peripheral Equipment, Multimedia equipment(TV, monitor, tuner etc.), Electrical appliance, Instrumentation, Industrial equipment, etc. (Total 28 items)Lighting, Stabilizer, Converter, Projector(OHP, Slider projector etc.), Switch, Circuit breaker, measuring equipment, etc. (Total 19 items)	<ul style="list-style-type: none">For broadcasting and communication equipment that is difficult to assess for whatever reason, they can be assessed using the standard, specification or technical criteria of Korea.Use of new technology (Not applicable to standard products)
<ul style="list-style-type: none">Product testing by designated lab.	<ul style="list-style-type: none">Product testing by designated lab. or MRA lab. or self-testing	<ul style="list-style-type: none">Supplier's Declaration of conformity(DOC) is issued

PROCEDURE



Identification code : R-CS-ABC-XXXXXXXXXX or ABC-XXXXXXXXXX

- R : Broadcasting communication equipment
- C : C(Certification) or R(Registration(MRA)) or I(Interim)
- S : Same conformity certification or conformity registration
- ABC(D) : Applicant's identification and provided by RRA (3 or 4digits)
- XXXXX : Product identification (within 14digits)

DOCUMENTATION

- Application form
- User manual in Korean
- Business registration certificate
- Circuit diagram / Block diagram
- Critical component list
- Power of attorney(signed by President)
- Sample or CB report(incl. CB certificate)
- Self-Conformity Declaration
- Local representative information

INTERTEK'S BENEFIT

- One location & full capacity
- Safety, Energy efficiency, EMC/RF & Chemical(ROHS, WEEE)
 - Global approval : NA, EU, Asia and Latin America etc.
- Strong Technical Expertise
- Accreditation : ISO 17025, CBTL, ILAC, EPA, RRA etc.
 - Own testing facility and skillful technical expertise
- Customized Customer Service
- Shorter Turnaround time & Reasonable Testing Fee
 - Full certification guideline provided

Intertek promise you for quick delivery and exact service offering!

Contact us today to simplify your KC certification journey.

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Call. 82-31-8069-3702



KOREA CERTIFICATION

KC MARK : SAFETY



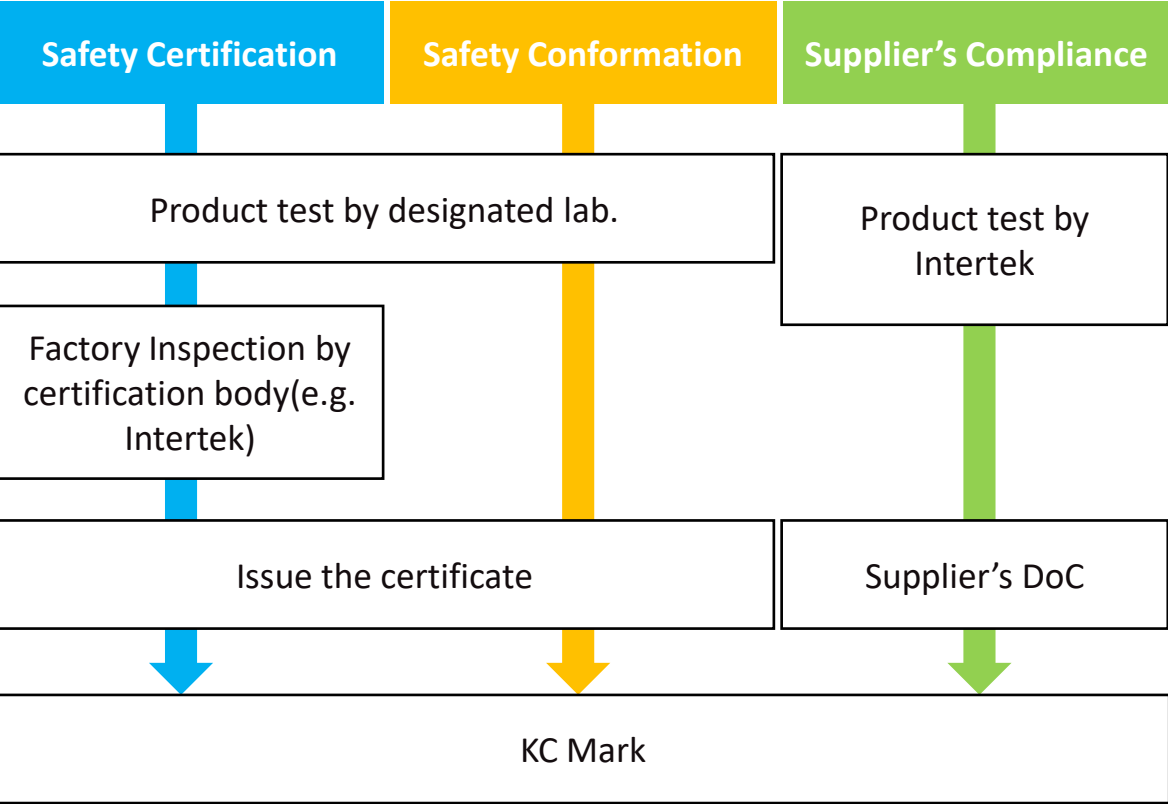
KC(Korea certification) is a mandatory system established by the Korean government to ensure the safety of products sold within Korea. This certification is required under the Electrical Appliances Safety Control Act and related laws.

KC Safety Certification & confirmation comprises three systems:

Safety Certification	Safety Confirmation	Supplier Compliance
<ul style="list-style-type: none">Requires factory inspection(initial and regular) every other year with product testingFactory inspection conducted cy certification body(e.g. Intertek)	<ul style="list-style-type: none">Enables electrical appliances to be sold domestically with fewer restrictions	<ul style="list-style-type: none">Manufacturers or importers perform self-testing on products
<ul style="list-style-type: none">Product testing by designated lab.	<ul style="list-style-type: none">Product testing by designated lab.	<ul style="list-style-type: none">Supplier’s Declaration of conformity(DOC) is issued

Item	Certification	Confirmation	Supplier Compliance
Product testing	○	○	○
	Local testing Or CB with Korean deviation	Local testing Or CB with Korean deviation	Any test report With Korean deviation
Factory inspection	○	X	X
Regular factory inspection	○ (Every Two Years)	X	X

Process



Required documentation

- Application form
- User manual in Korean
- Circuit diagram
- Critical component list and certificates
- Power of attorney
- Sample or CB report(incl. CB certificate)
- Markings

Marking requirement

- KC Mark
- Certification body name & certification number
- Product name & model name
- Ratings(input, Voltage, Frequency etc.)
- Production date
- Phone number or address of service provider in Korea(only for foreign manufacturers)
- Double insulation marking(if required)

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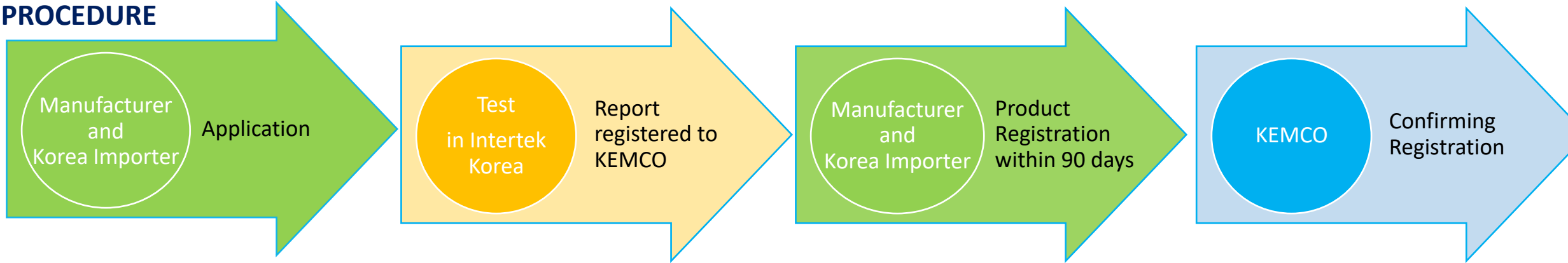
KOREA ENERGY EFFICIENCY & e-Standby

The Korean government has undertaken three energy efficiency management programs to increase the energy efficiency of appliances – energy standards and labelling, high-efficiency equipment certification and e-Standby.

- Energy standards and labeling system : Aims to improve energy efficiency in appliances – regulates operational efficiency
- High-efficiency certification program : Dissemination of high-efficiency equipment for industry and buildings
- e-Standby : Regulation on standby power consumption

Type	Characteristic	Label	Product
Energy standards and labeling system	Mandatory		Refrigerator, Kimchi refrigerator, Air conditioner(Cooling, Cooling&Heating), Washing machine(Top loader/Front loader), Electric cold/hot water purifier, Instant cold/hot water purifier, Rice cooker, Vacuum cleaner, Fan, Air purifier, Incandescent bulb, Fluorescent lamp, Ballasted lamp, Three-phase induction motor, Gas boiler, Adapter, Charger, Commercial refrigerator, Gas water heater, Transformer, Window, TV, Electric Heater, Stove, Multi-Split Air-Conditioning and Heat Pump Equipment, Dehumidifier, Electric range, Set-top box, Internal converter type LED lamp, Freezer, Air compressor, Signage display, Clothes dryer, Monitor, Dishwasher, Portable air conditioner, *External converter type LED lamp, *Pump, *Computer, *Multifunctional Imaging equipment (TOTAL 41 items) (*Add from 25.01.01)
E-Standby	Mandatory		*Computer, Printer, Facsimile , Copier, Scanner, *Multifunctional Imaging equipment , Automatic energy saving controller, Audio system, DVD player, Radio cassette, Microwave oven, Door phone, Wired and wireless phone, Bidet, Modem, Home gateway, Hand dryer, Server, Digital converter, Wired and wireless router (TOTAL 20 items) (*Remove from 25.01.01)
High-efficiency equipment certification program	Voluntary		Gas-fired boiler for industry and building, *Pump , Screw chiller, Uninterruptible power supply, Inverter, Absorption chiller heater, Centrifugal blower, Turbo compressor, LED induction lamp, Constant Temperature & Humidity Unit, Gas heat pump, Power storage device(ESS), Demand controller, LED module for signboard, Gas vacuum hot water boiler, Medium-temperature water absorption refrigerator, Electric vehicle charger, Lighting, LED lamp(*External converter type LED lamp , Fluorescent lamp alternative LED lamp), Smart LED lighting (TOTAL 20 items) (*Remove from 25.01.01)

PROCEDURE



- Test : Application by manufacturer(domestic goods) or importer(imported goods) and the certificate will be issued to applicant.
- Product registration : Manufacturer or importer should register the certified product through website. There is no registration charge and it should be done within 90 days from issuance of test report.

REQUIRED DOCUMENTATION

- Application
- Sample(Various by product)
- Product specification
- User manual & product label
- Circuit diagram

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