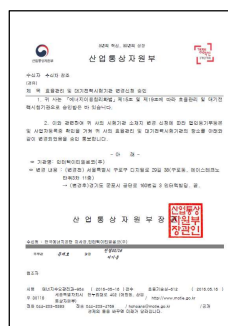
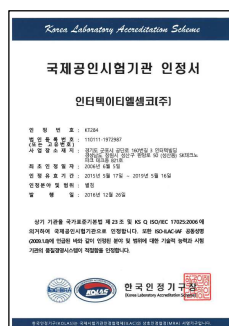


ONE STOP SERVICE

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

KC Safety	KC EMC/RF	K-MEPS/E-STANDBY
<ul style="list-style-type: none"> MOU partner with Local certification body The designated lab. accepts CB reports issued by designated Intertek Offices abroad OR Local testing 	<ul style="list-style-type: none"> Test and Registration/certification process will be completed by Intertek lab in Korea EMC/RF certificate issued by RRA (Radio Research Agency) after reviewing test report 	<ul style="list-style-type: none"> Test and report will be issued by Intertek lab in Korea Manufacturers(importers) will make a registration to Korea Energy Agency.

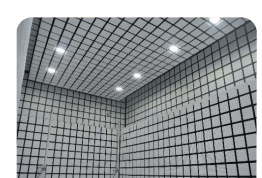
ACCREDITATION



- RRA : EMC/RF
- KEMKO : Energy efficiency & e-Standby
- KOLAS(under ILAC) : safety, RoHS, Energy efficiency & EMC
- SASO, CBTL, EPA, FCC/IC, NOM etc.

CORE BUSINESS

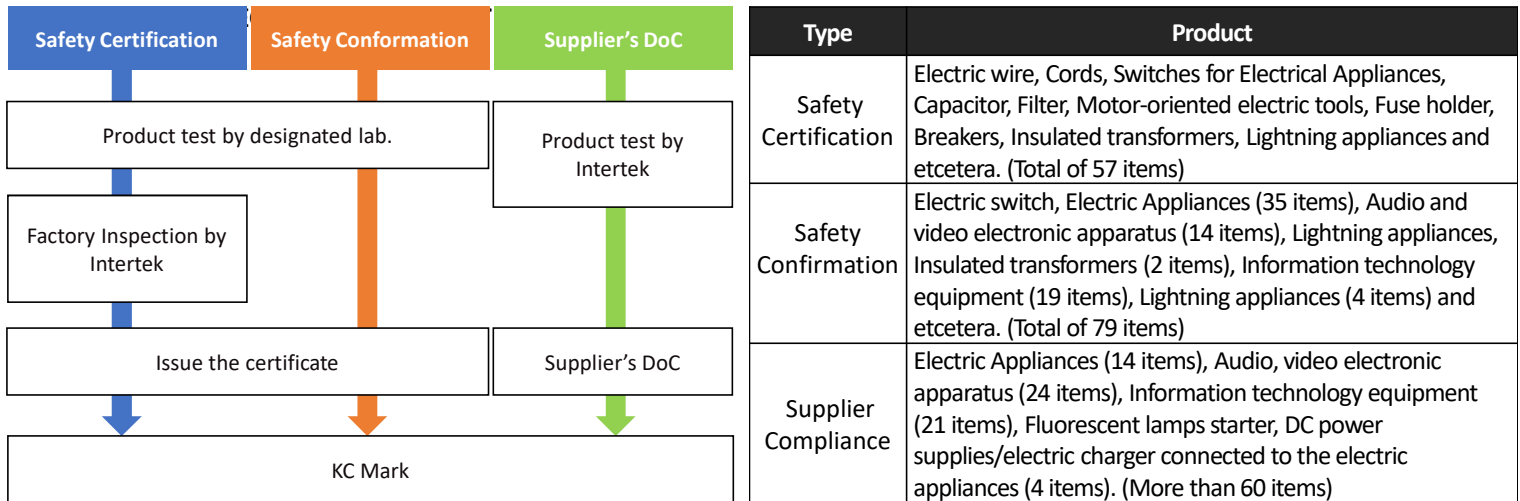
Service	Certification	Product
<ul style="list-style-type: none"> Safety EMC/RF RoHS, REACH, WEEE Sanitation Fire Testing / Building Bench marking Energy Testing Software Testing Consultancy 	<ul style="list-style-type: none"> North America: cETLus, WHI, UPC Europe: CE, S, BEAB, ASTA, GS Middle Asia: G-mark Russia, Belarus, Kazakhstan: CU Australia: RCM mark Japan: PSE Argentina: IRAM Mexico: NOM South Africa: SABS Korea: KC China, Hongkong, Singapore Taiwan : BSMI 	<ul style="list-style-type: none"> Motor operated appliances: Air conditioner, air cleaner, Refrigerator, Vacuum cleaner Heating appliances: Heater, Bidet, Hair dryer, Rice cooker Renewable Energy: Solar Panel, Solar Inverter, ESS, EV charger AV & IT equipment: TV, Monitor, computer, Video/Audio Light Product: LED lighting, General lighting Building Product, Lab. equipment, component





KC is a mandatory system to sell only the certified product by Korea certification body in order to prevent electrical appliances from causing any accidents by risk or malfunction according to Electrical Appliances Safety Control Act and related law. KC has three systems; certification, confirmation and supplier compliance according to regulated product.

- Safety Certification : Factory inspection(initial and regular) per every other year with product testing is required.
- Safety Confirmation : The system enables electrical appliances to be sold domestically with less restriction.
- Supplier Compliance : Manufacturers or importers perform self-testing on product.



KC REQUIREMENTS

Item	Certification	Confirmation	Supplier Compliance
Product testing	○	○	△
Factory check	○	X	X
	○	X	X
	○	X	X
	○	X	X
Certification, Report	Certificate	Report	X
Periodic follow up	○	X	X

KC DOCUMENTATION

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

KC 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)

INTERTEK'S BENEFIT

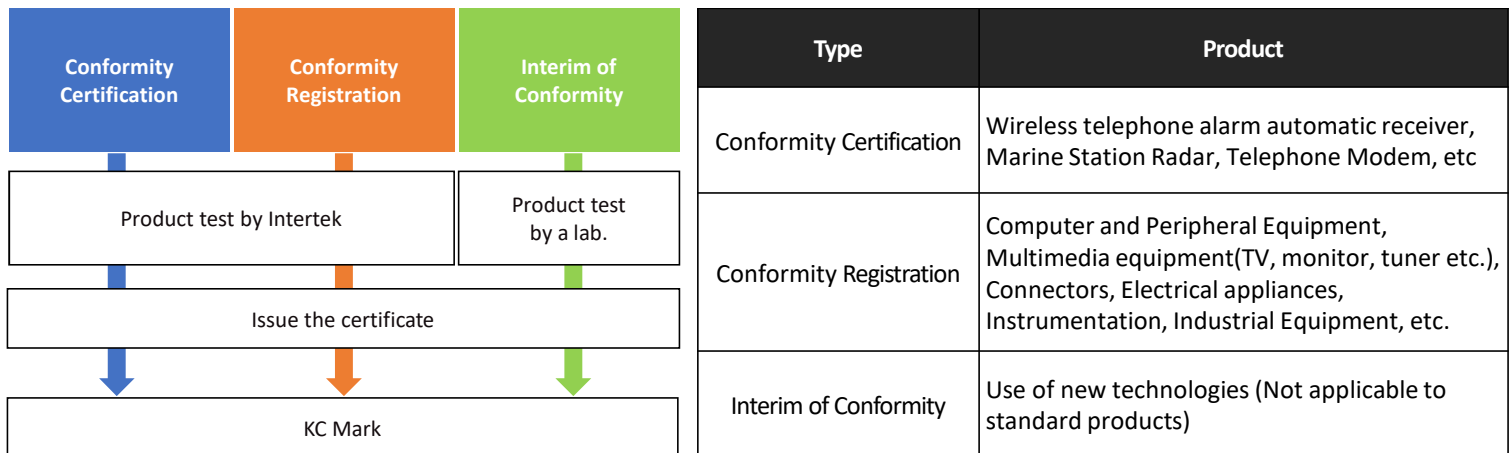
- One location & full capacity
 - Safety, Energy efficiency, EMC/RF & Chemical(ROHS, WEEE)
 - Global approval : NA, EU, Asia and Latin America etc.
- Strong Technical Expertise
 - Accreditation : ISO 17025, CBTL, ILAC, EPA, RRA etc.
 - Own facility and skillful technical expertise
- Customized Customer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





KC is a mandatory system to sell only the certified product 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.

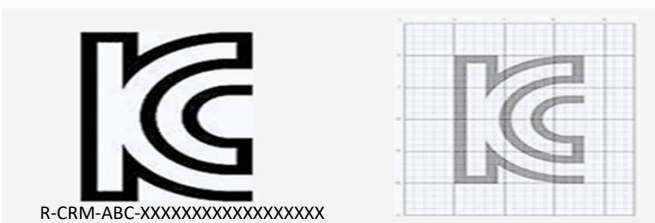
- Conformity Certification : Equipment that can harm the radio environment, the broadcasting communication network, as well as those whose normal operation can be affected by radio waves are subject to certification.
- Conformity Registration : Broadcasting and communication equipment that is not subject to certification of conformity are subject to Registration.
- Interim of Conformity : 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.



KC DOCUMENTATION

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

KC MARKING REQUIREMENT



- KC Mark & Identification code : R-CRM-ABC-XXXXXXXXXXXXXXXXXXXX
- Name of Company
- Name of product and Model
- Manufactured month and year
- Manufacturer and manufacturing country

Identification code

- R : Broadcasting communication equipment
- C : C(certification) or R(registration) or I(Interim)
- R : R(Radio) or T(Telecommunication) or E(Electromagnetic wave) or M(Multi function)
- M : M(Manufacturer) or I(Importer) or S(Seller)
- ABC : Applicant's identification and provided by RRA
- XXXXX : Product identification

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 facility and skillful technical expertise




Customized Customer Service

- Shorten Turnaround time & Reasonable Testing Fee
- Full certification guideline

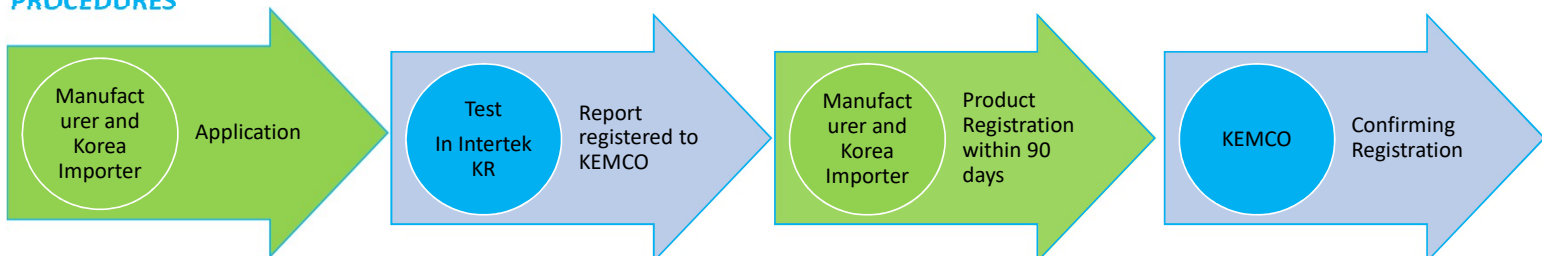


The Korean government has undertaken three energy efficiency management programs to increase the energy efficiency of appliances – energy standards and labelling, high-efficiency equipment certification and e-Standby.

- 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		Product
Energy standards and labeling system	Mandatory		refrigerators, kimchi refrigerators, air conditioners, washing machines, rice cooker, vacuum cleaner, fan, air purifier, lamps, ballasted lamp, motors, boiler, window, TV, electric heat fan, stove, heat pump, dehumidifier, microwave oven, set top box. (TOTAL 27 items)
High-efficiency equipment certification program	Voluntary		automatic luminous intensity, energy recovery ventilators, gas-fired boilers for industry and buildings, pumps, centrifugal and screw chillers, uninterruptible power supplies, metal-halide lamp stabilizers, sodium lamp stabilizers, inverters, automatic temperature controllers for heating, LED lamp etc. (TOTAL 48 items)
E-Standby	Mandatory		computers, monitors, printers, facsimiles, copiers, scanners, all-in-one printers, automatic energy saving control systems, audio system, DVD players, microwaves, set-top boxes, door phones, wired and wireless phones, radio players, bidets, modems, home gateway systems, servers, hand dryers etc. (TOTAL 21 items)

PROCEDURES



- 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

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 facility and skillful technical expertise

Customized Customer Service

- Shorten Turnaround time & Reasonable Testing Fee
- Full certification guideline

