



Korea Electrotechnology Research Institute

- [Primary Contact](#)
- [Organizational Overview](#)
- [Scope of Standards Developing Activity](#)
- [Quick Links](#)

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Organizational Overview

Since 1976, the Korea Electrotechnology Research Institute has been contributing to research on electrotechnology and testing of power apparatus as a government-sponsored institute, KERI's main office is in Changwon, and two branches are in Uiwang and Ansan near Seoul. For the last 30 years, KERI's accumulated expertise, KERI's dedicated facilities and innovative instruments have achieved impressive results in industry and in power business.

For industry, those researches include ultra high voltage (765 kV) transmission lines and apparatus, digital excitation systems for thermal power plants, high speed train propulsion systems, electromagnetic levitation systems, and transportation systems for semiconductor factories. For the public interest, those researches include power system planning and operation policies for demand and supply, ultra low frequency environmental effect, and corrosion control of underground metallic structures. In the field of emerging technology, the challenges include superconductor applications, plasma accelerators, tera-Hertz applications and electrotechnology application in medical equipments

As a nationally accredited organization, KERI is now playing a vital role in testing and certifying domestic and overseas electric equipments with an international level of competitiveness.

KERI is also undertaking the calibration of electrical instruments and domestic and international standards for electric apparatus as well as the standards of high voltage and high current measurements.

Scope of Standards Developing Activity

Since its establishment, KERI had participated in developing and establishing Korea Standards for the power apparatus.

In 2009, KERI was designated as the Co-operating Organization for Standards Development (COSD) from Korean Agency for Technology and Standards (KATS) and designated scope are IEC/TC14 - Power Transformers, IEC/TC17 – Switchgear and Controlgear, IEC/TC23/SCE - Circuit-breakers and Similar Equipment for Household Use, IEC/TC23/SCF - Connecting devices, IEC/TC23/SCH - Industrial, Plugs and Socket-outlets, IEC/TC42 - High-voltage testing techniques.

Besides these scope, KERI participate in developing and establishing Korea Standards for

the power apparatus such as instrument transformers, protection relays, insulators, high-voltage fuses and surge arresters.

Quick Links

- [Korea Electrotechnology Research Institute](#)
- [Korean Agency for Technology and Standards](#)
- [Korean Standards Association](#)