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Distributed to: SESEC Partners,
EU standardization stakeholders
Date of issue: 20-07-2018*

SESEC IV
CEEIA Standardization work
Annual Report 2017-2018
Issued date: 20 July 2018

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China Electrical Equipment Industry Association (CEEIA)

CEEIA is a non-profit, independent legal association entity, supervised and led by State-owned Assets Supervision and Administration Commission of the State Council. Being restructured with national organizations of China generator set, China electrical equipment, China electric transmission and distribution, China electrical motor, China electrical materials and China industrial boiler in 1977, CEEIA now possesses 41 affiliates and over 8000 members with headquarter located in Beijing.

In recent years, CEEIA is authorized and consigned increasingly by government to conduct standardization, statistic, and evaluation on China electric and electronic industries. And also plays a more important role in association standards and ministry-level standards since the promulgation of new Standardization Law of China.

SESEC with CEEIA

Since the initiation, SESEC has built and maintained an intimate cooperative relationship with CEEIA, especially standardization department, international cooperation department and technology department in below areas:

- EU-China standards dialogue
- Technical specification introduction and explanation
- Standards issues and effects on market access
- Research on advanced electrical technology's standards

CEEIA Standardization Annual Report (2017-2018)

CEEIA holds its standardization meeting every year normally in the second quarter to make an annual work report, summary achievements in previous year and work plan for current year. SESEC was invited to attend the annual standardization conference 2018 continuously in May in Xi'an. We take advantage of this communication platform to reinforce and enrich our understanding and acknowledge and catch the industry standardization development. On base of extensive and comprehensive research and analysis, we conduct the report in accordance with the first-hand information as below.

1. Review 2017

Promoted the electrical and electric industry standardization development

- Participated the revision of Standardization Law and formulated technical standardization plan of electrical and electric industry;
- Enforced development of national mandatory standards- GB19517 National Safety Technical Code for Electrical equipment referring to 20 catalogue of products and 383 national standards;

- Optimized recommended standardization. 74 of 149 proposed national standards were formulated and 75 were revised. 84 101 proposed ministerial-level standards were developed and other 14 were revised;
- Accomplished demonstration project for electric wire and cable standardization research. Launched pre-research for “belt and road” special technique standardization and new energy standardization.

Institution construction

- Organised to construct sub technical committee of graphic symbols of electrical appliances, technical committee of low voltage DC equipment and system, high-temperature fuel cell and sodium based battery, sub technical committee of off-shore electric equipment;
- Applied for construction of super electrical condenser technical committee

Facilitated electric standardization of energy sector

- Standards research on solar electric generator, wind-power generator and water power generator equipment;
- Standards research on energy management system and low voltage DC system of intelligent electric grid client
- Standards research and development of intelligent electric grid and HVDC light transmission
- Special studies and report on power storage
- Standards formulation of electric grid: 3 standards of high-voltage switchgear (primary equipment), 3 standards of second equipment
- 10 Energy efficiency standards formulation and revision of voltage transformer, electric wires and cables etc.

Environmental protection standards research

Completed 6 technical specifications of green electric & electrical products' evaluation (association standards) such like T/CEEIA 275-2017 (electric kettle), all the technical specifications had been adopted to green products designing catalogue issued by MIIT. Continuously this R&D would be conducted to other critical area

Took the lead of comprehensive IEC standardization research on environmental performance indicator of electrical and electronic products in order to facilitate technical specifications of international green procurement mechanism. Commissioned national life-cycle evaluation standards of electrical and electronic products combining with the practice of product's environmental footprint in Europe.

Profoundly implemented and conducted national standardization policies for “belt and road”

As the secretariat institute and technical-supporting institute of IEC in China, CEEIA substantially took part in IEC international standardization and was successfully approved to be IEC/TC5 secretariat and chairman of IEC/SC59L.

Conducted standardization for “belt & road” and standard translation of particular area, 12 national standards and 2 ministerial-level standards.

Association standards

In order to develop the quality and quantity CEEIA invested in manpower and organization to research extensively and formulate association standards. At the same time promoted effectively the implementing pilots and mutual recognition.

Expert committee with 20 members as leading institute

Professional work group with over 330 members

40 standards formulated in 2017, 72 active standards till end of 2017

2. Mission 2018

In 2018, CEEIA will conduct the industrial standardization formulation research of “China Standardization 2035” in accordance with the requirement of SAC, practice and implement national new standardization system construction according to the “equipment manufacturing standardization and quality promotion plan 2016-2020. At the same time CEEIA will carry out also “the international standards transformation plan of crucial area of equipment manufacturing” and complete the application and authentication of national standards formulation 2018. CEEIA will continually recommend the basic industrial standardization system construction to support the upgrading and transformation of electric and electrical industry. The concrete standardization work in 2018 include:

- Conduct standard roadmap research on particular areas like steam turbine, water turbine, ocean energy transformation equipment, fuel cell, high-voltage transmission and distribution, condenser, off-shore electric equipment, environmental test, etc.
- Implement national standard R&D of new energy apparatus, wind power and solar power equipment, energy storage equipment, environmental protection and energy-saving, intelligent manufacturing, etc.
- Formulate energy-saving standards and technical evaluation specifications for critical products: low-voltage electric capacity, UPS and electric accessories.
- Accelerate the internationalization of standardization to support national “belt and road” policy: water power, industrial boiler, high-voltage DC electricity, DC circuit breaker and frequency control
- Organize the plan and development of association standards to improve the influence, implementation and internationalization