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**SESEC III**  
**China Standardization**  
**Bimonthly Newsletter**  
For  
**June & July 2017**



**CENELEC**

**ETSI**



## **Introduction of SESEC Project**

The Seconded European Standardization Expert in China (SESEC) is a visibility project co-financed by the European Commission (EC), the European Free Trade Association (EFTA) secretariat and the three European Standardization Organizations (CEN, CENELEC and ETSI).



Since 2006, there has been two SESEC projects in China, SESEC I (2006-2009) and SESEC II (2009-2012). In Dec 2014, SESEC III was officially launched in Beijing, China. Dr. Betty XU was nominated as the SESEC expert and will spend the next 36 months on promoting EU-China standardization information exchange and EU-China standardization cooperation.

The SESEC project supports the strategic objectives of the European Union, EFTA and the European Standardization Organizations (ESOs). The purpose of SESEC project is to

- Promote European and international standards in China;
- Improve contacts with different levels of the Chinese administration, industry and standardization bodies;
- Improve the visibility and understanding of the European Standardization System (ESS) in China;
- Gather regulatory and standardization intelligence.

The following areas have been identified as sectoral project priorities by the SESEC project partners: Internet of Things (IoT) & Machine-to-Machine (M2M) communication, communication networks & services, cybersecurity & digital identity, Smart Cities (including transport, power grids & metering), electrical & electronic products, general product safety, medical devices, cosmetics, energy management & environmental protection (including eco-design & labelling, as well as environmental performance of buildings).

## **SESEC III China Standardization and Technical Regulation Bimonthly Newsletter**

SESEC III China Standardization and Technical Regulation Bimonthly Newsletter is the gathering of China regulatory and standardization intelligence. Most information of the Newsletter were summarized from China news media or websites. Some of them were the first-hand information from TC meetings, forums/workshops, or meetings/dialogues with China government authorities in certain areas. It is brief news in fields related to SESEC horizontal/vertical priorities.

## **In this Bimonthly Newsletter**

In this Bimonthly Newsletter, some news articles were abstracted from Chinese government organizations. Some detailed translations can be downloaded from SESEC website.

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**Abbreviations**

AQSIQ	General Administration of quality supervision, inspection and quarantine of PRC	国家质量监督检验检疫总局
CAS	China Association	中国标准化协会
CCC	China Compulsory Certification	中国强制认证
CCSA	China Communication Standardization Association	中国通信标准化协会
CEC	China Electricity Council	中国电力企业联合会
CEEIA	China Electrical Equipment Industrial Association	中国电器工业协会
CELC	China Energy Labeling Center	中国能效标识中心
CESI	China Electronic Standardization Institute	中国电子标准化研究所
CFDA	China Food and Drug Administration	中国食品药品管理局
CMDSA	Center for Medical Device Standardization Administration	医疗器械标准管理中心
CNCA	Certification and Accreditation Administration of China	中国国家认证认可监督管理委员会
CNIS	China National Institute of Standardization	中国国家标准化研究院
CNREC	China National Renewable Energy Center	中国国家可再生能源中心
EPPEI	Electric Power Planning and Engineering Institute	电力规划设计总院
IEC	International Electrotechnical Commission	国际电工委员会
ITEI	Instrumentation Technology and Economy Institute	机械工业仪器仪表综合技术与经济研究所
MIIT	Ministry of Industry and Information Technology of People's Republic of China	中国工业和信息化部
MoH	Ministry of Health	卫生部
MoHURD	Ministry of Housing and Urban-Rural Development	住房和城乡建设部
MOR	Ministry of Railway	中国铁道部
MOT	Ministry of Transport	中国交通运输部
MOST	Ministry of Science and Technology	中国科学技术部
NDRC	National development and reform commission People's Republic of China	中国国家发改委
NIFDC	National Institute of Food and Drug Control	中国食品药品检定研究院
SAC	Standardization Administration of China	国家标准化管理委员会
SCLAO	State Council Legislative Affairs Office	国务院法制办公室
SGCC	State Grid Corporation of China	国家电网
SIPO	State Intellectual Property Office	国家知识产权局
TC	Technical Committee for Standard Development	标准化技术委员会
OSCCA	State Cryptography Administration Office of Security Commercial Code Administration (OSCCA),	国家商用密码管理办公室

## Contents

### Horizontal issues

#### **1. SAC calls for comments on Foreign Investment Enterprises' Involvement in China's Standardization Activities**

On 27 July, SAC organised a meeting calling for comments on the drafted *Guiding Opinions on Foreign Investment Enterprises' Involvement in China's Standardization Activities*. Representatives of more than 30 FIEs attended the meeting. The development of this Guiding Opinions is to implement relevant requirements in the *Circular of the State Council on Several Measures concerning the Expansion of Opening-up and the Active Use of Foreign Capital*, promoting fair participation of foreign-invested enterprises in China's standardization work and further improving the openness and transparency of China's standardization activities.

For details of the *Guiding Opinions on Foreign Investment Enterprises' Involvement in China's Standardization Activities*, please refer to Annex 1 SESEC selected translation of the draft for comments.

#### **2. SAC Administrator attends ISO/CSC/SPC meeting and visits counterparts in USA and UK**

SAC Administrator Tian Shihong attended the meeting of ISO/CSC/SPC on strategy and policy and paid visits to UNCTAD, ITC and SGS in Switzerland and the national standardization organizations in USA and UK from June 8 to 17.

During the visit to Switzerland, Tian Shihong expressed his opinions for the key issues related to ISO development such as charters and rules of procedure, ISO Action Plan for Developing Countries (2016–2020), etc, at the meeting of ISO/CSC/SPC. He made in-depth exchanges with UNCTAD and ITC about voluntary sustainability standard and its impacts on international trade, and the role of SGS in promoting China's market of testing and certification. In the USA and UK, the Chinese delegation signed a MOU on cooperation and an agreement on the pair program in ISO/TC 301 with ANSI, and signed a MOU on grapheme standardization cooperation and a resolution on the 2017 Sino-Britain Standardization Cooperation Committee with BSI to enhance bilateral cooperation. (Source: SAC website)

#### **3. 2017 Qingdao Forum on International Standardization and Germany-China Standardization Cooperation Commissions convenes**

The 2017 Qingdao Forum on International Standardization (QFS) was held from June 27 to 29, attracting more than 400 guests from standardization organizations, enterprises, research institutes and other standard-related organizations at domestic, regional and international levels.

With the theme of "standards make cities smarter", experts in various fields gathered together and discussed topics on voluntary sustainability standards (VSS), intelligent manufacturing standards, technical innovation of high speed railway, sustainable development of cities, ships and marine standardization. CENELEC President, Dr. Bernhard Thies was invited to deliver a keynote speech at the forum on 28 June, and elaborated on the development of smart city standardization in Europe.

The 2017 Session Germany-China Standardization Cooperation Commission also convened during the forum on the 29<sup>th</sup> in Qingdao. The two sides reached agreement on jointly promoting the development of international standards in key areas including intelligent manufacturing (industry 4.0), electric vehicles, medical devices, energy, biotechnology, e-commerce, and silver economy.

The German-China Standardization Strategy WG is set to be established as a result of the meeting, to make the national standardization systems of the two countries be more compatible with each other.

#### **4. Development in association standards calls for public opinion**

China National Institute of Standardization organised a seminar on association standards in June. 20 representatives from foreign and domestic enterprises and associations were invited to join the discussion, addressing the issues such as evaluation of good practices in association standards, supervision and surveillance of association standards, and relationship of association standards with standards at international, national and ministerial level. CNIS also gave an update on the National Association Standards Information Platform.

MIIT recently called for public comments on the *Guiding Opinions on Developing Association Standards in the Industrial and ICT Sectors*. The draft for comments encourages adopting association standards in industrial policies and planning as well as referencing association standards in the standards at national and ministerial level. It also calls for establishing a mechanism to facilitate transformation of association standards into ministerial-level (sectorial) standards. Ministerial-level standards would be focused on key technology, products and services as well as other areas of public interests instead of for common technology, products and services, whereas association standards should be encouraged in the areas with fast technology development and more uncertainties.

#### **5. Administrative Rules for National Standardization Technical Committees calls for public comments**

State Council Legislative Affairs Office (SCLAO) recently called for public comments on the *Administrative Rules for National Standardization Technical Committees*. According the drafted Administrative Rules, AQSIQ and SAC are responsible for establishing and implementing a system to manage standardization technical committees. SAC is responsible for centrally planning, coordinating, establishing and managing technical committees. Entrusted by SAC, relevant competent authorities under the State Council and relevant industry associations manage the technical committees within their own sectors and provide professional guidance to these technical committees when developing national and international standards.

### ***Cybersecurity & Digital Identity***

#### **6. Catalogue on Critical Network Equipment and Network-Security-Specific Products (First Batch) released**

On 9 June, the Cyberspace Administration of China (CAC), together with the Ministry of Public Security (MPS), the Ministry of Industry and Information Technology (MIIT) and the Certification and Accreditation Administration of China (CNCA) jointly issued the Catalogue on Critical Network Equipment and Network-Security-Specific Products (First Batch). The products and equipment in the catalogue should be certified or tested against the mandatory requirements of relevant national standards by qualified bodies, which would be jointly designated by CNCA, MIIT, MPS and CAC, prior to being made available on the market.

The catalogue covers 15 product categories, including Critical Network Equipment: router, switchboard, server(rack-mounted), PLC and Network-Security-Specific-Equipment: data backup machine, firewall(hardware), WEB application firewall (WAF), intrusion detection system (IDS), intrusion prevention system(IPS), security isolation and information exchange products (gatekeeper), anti-spam, network synthesis auditing system, network vulnerability scanning products, security data base system, website recovering products(hardware).

## **7. TC 260 releases 2017 List of Standards Projects for National Information Security**

National Standardization Technical Committee on Information Security TC 260 held the 2017 second commissioner meeting in June. The next-step standards development would be focused on cloud computing, big data, personal information protection and mobile internet. In July, TC 260 also completed and released the 2017 List of Standards Projects for National Information Security, delegating the 53 standards projects to relevant WGs of 260.

## **8. CAC calls for public comments on CII protection**

CAC released the draft for comments on the *Critical Information Infrastructure Protection Regulation* on 11 July. Regarded as the core scheme under the framework of the Cybersecurity Law of China, Critical Information Infrastructure Protection (CIIP) has large implications on industry compliance.

The draft for comments for the first time clearly includes Information networks providing cloud computing, big data and other large-scale public information network services into the scope of CII. It also stipulates that sector-specific competent authorities shall lead the effort to identify CII in their own sectors or fields. In addition, article 34 requires the operation and maintenance of CII shall be carried out within China. In contrast to article 37 of the Cybersecurity Law which only requires personal information and other important data gathered or produced by CII operators to be stored in China, this new requirement imposed by article 34 in the regulation of CII protection would increase the compliance costs for industry.

### *Communication networks & services*

## **9. 2017 IMT-2020(5G) Summit convenes in Beijing**

Hosted by IMT-2020 (5G) Promotion Group, the 2017 IMT-2020(5G) Summit convened in Beijing on 12 June, attracting more than 500 participants from MIIT, foreign and domestic mobile telecommunication and related companies as well as universities. *5G Network Technology Trial Specification*, *5G Economic and Social Impact White Paper*, and the *White Paper on 5G Network Security Requirements and Architecture* were released at the summit.

Chair of CCSA (China Communication Standards Association) Strategy Consultation Committee Mr. Xi Guohua introduced CCSA's involvement in 5G standardization. CCSA would continue its work at 3GPP, contribute the results of research on key 5G technology, spectrum and security to international standardization and global spectrum planning, as well as strengthen international cooperation with Japan, Korea, Europe and the US.

IMT-2020 (5G) Promotion Group has been jointly established by three ministries in China (MIIT, NDRC and MOST) in February 2013. The Promotion Group is the major platform to promote 5G technology research in China and to facilitate international communication and co-operation. IMT-2020 (5G) Promotion Group members include the main operators, vendors, universities, and research institutes in China.

Later in July, the EU-China Workshop on 5G Developments and Collaboration Opportunities was co-organised by DG Connect and MIIT in Brussels. This workshop aims at bringing together representatives from the key 5G initiatives in China and Europe, the IMT-2020 Promotion Group (China) and the 5G PPP (EU).

Telecom operators, vendors, service providers, universities and research institutes from both regions are invited to present the latest 5G developments, their future plans, and to discuss together concrete opportunities of collaboration in two hot topics of the 5G R&I area: i) 5G Trials and ii) The Internet of Connected Vehicles.

*Smart Topics*

**10. Germany-China Intelligent Manufacturing/Industry 4.0 Standardization WG Meeting held in Qingdao**

The 4<sup>th</sup> session of the Germany-China Intelligent Manufacturing/Industry 4.0 Sub Standardization WG Meeting was held on 26-27 June in Qingdao. The experts from both sides discussed 6 agenda items: mutual recognition of reference architecture, information security, functional safety, network communication and edge computing, protective maintenance and use cases. The two sides have come to an agreement on the following:

- ✓ Continue the work of mutual recognition and develop a drafted report on mutual recognition between intelligent manufacturing system architecture and industry 4.0 reference architecture.
- ✓ Establish cooperation on information and functional security, and develop a drafted whitepaper on Germany-China Information Standardization (3<sup>rd</sup> version) and a drafted document on Germany-China functional safety and information security.
- ✓ Start cooperation on spectrum requirements for industrial communication, standardization roadmap, and edge computing.
- ✓ Co-develop white paper on *Standardization Roadmap of Intelligent Manufacturing/Industry 4.0 Protective Maintenance*
- ✓ Jointly review the template of use cases, and complete a drafted report on use cases.

The next WG meeting will be held at the end of November in China.

**11. National Intelligent Manufacturing General Group and Expert Consultation Group holds 2nd meeting in Beijing**

In July, the National Intelligent Manufacturing General Group and Expert Consultation Group held its 2<sup>nd</sup> meeting since established last year. Participants discussed the revision of the *Guidance on Constructing National Intelligent Manufacturing Standardization System*, funding of standardization projects, and new work items of national intelligent manufacturing standards.

There are three groups at national level that are steering the standardization of intelligent manufacturing in China, namely the coordination group, the general group and the expert consultation group, each of them with respective responsibilities. Co-chaired by SAC and MIIT, the coordination group consists of members from the government bodies, and is responsible for overall planning and policy development for standardization of intelligent manufacturing. Under the guidance of the coordination group, the general group, which consists of all the relevant TCs in intelligent manufacturing at national level, as well as companies and research institutes, manage the standardization of intelligent manufacturing from technical perspective. The expert group provide technical support and consultation to both the coordination and the general group.

**12. Guidance on Constructing National Robot Standardization System released**

SAC, NDRC, MOST and MIIT jointly released the *Guidance on Constructing National Robot Standardization System*, which lays down the robot standardization system framework and sets the objective of developing 100 standards at national and ministerial level, as well as encouraging development of association standards by the year 2020. Standards that are published and under development are listed in the guidance.

***Energy management & Environmental protection (EPBD, Eco-Design & labelling)***

**13. Energy-saving standards amount to 339**



According to the latest statistics of SAC, national standards for energy conservation amount to 339, including 73 mandatory standards for energy efficiency of products, 105 mandatory standards for limit of energy consumption, and 161 basic standards for energy saving. Mandatory energy efficiency standards cover 6 major categories of energy-consuming equipment and systems for household electrical appliances, lighting purpose, industrial production, office works, commercial use and transportation. Mandatory standards for limit of energy consumption are applied in major energy-consuming sectors such as steel, non-ferrous metals, chemical, construction material, power, petrochemical and transportation etc. The mandatory standards are used to support the implementation of key energy-saving policies such as the energy-efficiency labelling scheme in China.

#### **14. NEA releases the plan to publish English translation of standards in the energy sector**

National Energy Administration recently released the 2017 project plan to develop 806 standards at ministerial level (sectorial), as well as the plan to publish the English translation of 94 ministerial-level standards in the energy sector. The titles of the 94 standards are available in English.

### *Electrical & electronic products*

#### **15. China RoHS Catalogue calls for public comments**

MIIT released the draft for comments on the Catalogue of Electrical and Electronic Products with Restriction of the Use of Hazardous Substances (First Batch) as well as the list of exempted applications. 12 product categories, namely refrigerators, air conditioners, washing machines, electric water heaters, printers, copiers, fax machines, TV sets, monitors, micro-computers, handheld phones for mobile communication and telephone sets are captured by the first batch. Should you need the translation of these two documents, please contact SESEC team via email.

#### **16. Sino-German Sub Working Group E-Mobility holds meeting in Qingdao**

The 5<sup>th</sup> Plenary Meeting of Sino-German Sub Working Group E-Mobility was held on 28 June in Qingdao. The two sides had exchanges on a range of topics including e-mobility standardization roadmap, wireless charging, power battery for electric vehicle, interoperability of e-vehicle charging facilities, high-power charging, data transfer and information security of e-vehicles etc.

Based on the agreement signed by the Germany-China Standardization Cooperation Commission, a Germany-China E-Mobility High-Power Charging WG is established, to jointly evaluate technical solution to high-power charging, construct a demonstration project, and promote high-power charging standardization at international level. The first working group meeting is scheduled to be held in September this year.

#### **17. The Standardization Committee of CEEIA holds 2017 GA in Suzhou**

The Standardization Committee of CEEIA (China Electrical Equipment Industry Alliance) held its 2017 General Assembly on 20-21 June in Suzhou. The Standardization Committee of CEEIA released its next-year work plan, highlighting facilitation of the top-level design of electrotechnology standardization system based on revision of GB19517. In line with the objective of streamlining mandatory standards set by the standardization reform, the Standardization Committee of CEEIA would continue reviewing the mandatory standards in electrotechnical sector and eventually reducing the number of mandatory standards to around 10. Moreover, efforts would be put into developing CEEIA association standards, and establishing mutual recognition of association standards between CEEIA and related associations, such as China Electricity

Council (CEC) and National Electrical Manufacturers Association (NEMA). For more details, please refer to Annex 2, SESEC summary of the 2017 work report of the Standardization Committee of CEEIA.

The Standardization Committee of CEEIA is responsible for standardization in the electrical equipment industry in China. Currently, the CEEIA Standardization Committee has more than 150 normal members, and is managing about 80 national and ministerial level TCs, covering 5 major sectors including power generation equipment, power transmission equipment, power distribution equipment, electrical appliances, and fundamental areas.

### ***Certification***

#### **18. CNCA releases Comparison Table between CCC Catalogue and HS Code 2017**

To facilitate import and export of CCC products and enhance efficiency of supervision & regulation, CNCA compiled and released the 2017 version of the comparison table. The table can only be used as a reference, whereas description and definition of products captured by the CCC catalogue shall be based on the notice of compulsory certification of related products released by CNCA.

### ***SESEC Translated Documents***

#### **19. 2017 Personal information Protection Compliance Content and Practice in China**

In June 2017, Mr. Yanzhe He from CESI delivered Presentation on Personal Information Protection Compliance Obligations and Practices in a meeting. SESEC translated this presentation and distributed it with this newsletter to EU stakeholders.

Please note the translated documents are for informational purposes only among SESEC stakeholders and should not be construed as business or legal advice. SESEC team will not be responsible for the accuracy and completeness of the information provided and will accept no liability for errors or omissions. The provisions of relevant standards introduced at the meeting and this document reflect the current drafts and may not be final.