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SESEC III
China Standardization
Bimonthly Newsletter
For
October & November 2017



CENELEC



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 Bimonthly Newsletter

SESEC III China Standardization and Technical Regulation Bimonthly Newsletter is the gathering of China regulatory and standardization intelligence. Most information of the Monthly 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	中国食品药品监督管理局
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
MEP	Ministry of Environment Protection	中国环境保护部
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. *Standardisation Law of the People's Republic of China (revision) released*

After years of debate and repeated revisions, the revised *Standardisation Law of the People's Republic of China* has been approved by the National People's Congress of the People's Republic of China on 4 November 2017. As the legal basis of standardisation work of China, this Law put forward a sequence of essential requirements for standardisation activities, and influenced the transformation of China's standardisation system.

SESEC translated this Law and made a comparison table for showing its difference from previous editions. See Annex 1 for the full text of the Standardisation Law of China, and Annex 2 for the comparison table.

The new decree will take effect from 1 January, 2018.

2. *Three ministries promulgated the Guiding Opinions on the Participation of Foreign-invested Enterprises in Standardisation Work of China*

NDRC, MOFCOM, and SAC jointly promulgated the guiding opinions on 6 November and made it clear that,

- Foreign-invested enterprises are entitled to participate in standardisation work in China, and will be treated as domestic enterprises. The foreign-invested enterprises as referred to herein mean Chinese foreign equity joint ventures, Chinese foreign cooperative joint ventures and foreign-funded enterprises, excluding foreign enterprises and other branches of foreign economic organisations in China's territory.
- Foreign-invested enterprises can participate in the drafting work of national standards and the translation work of foreign language edition of national standards, and can also give advices and suggestions in the course of standard project approval, opinion solicitation, standard implementation, etc.
- Representatives from foreign-invested enterprises can join national standardisation technical committees (including subcommittees, working groups, etc.) as members or observers.

SESEC translated this document, the full text of which is presented in Annex 3.

3. *Administrative Measures on National Standardisation Technical Committee released*

AQSIQ developed these new administrative measures on the basis of the management regulation on national standardisation technical committee, which was released by SAC in 2009.

The modification covers the following aspects:

- Regulate the conditions and procedures for the establishment of technical committees
- Adjust the subcommittee management system
- No longer entrust the group company with the technical committee management in the industry

- Modify the requirements on the technical committee formation
- Strengthen the management on the technical committee voting system
- Simplify the technical committee working procedure
- Improve the supervision and management system for the technical committee
- Establish and improve the exit mechanism for the technical committee

See Annex 4 for the full text of the Administrative Measures.

4. GB/T 23002-2017 *Integration of Informatisation and Industrialisation Management Systems - Implementation Guidance* released

The implementation guidance is one of the serial standards in the “integration of informatisation and industrialisation”. It provides general guidance, guiding methods and implementation suggestions for enterprises to meet the requirements of the management system.

At present, 9 “integration of informatisation and industrialisation” standard projects have been approved, 4 of which have been released. These standards will form a complete standard system, helping enterprise to build up new competitiveness and promoting the upgrade of industries.

5. State Council promulgated the *Guiding Opinions on Deepening “Internet + Advanced Manufacturing” to Develop Industrial Internet*

Integrating information and manufacturing technology, industrial internet is a key future industry and a core infrastructure supporting the development of intelligent industries. In a bid to facilitate the rapid development of the industry, Chinese government issued these guiding opinions, clarifying the basic principles, goals, major tasks, and supportive measures.

As one of the major tasks, building an essential standard system is put forward in these guiding opinions, for covering the key techniques, products, management and application of industrial internet. To help achieve the goal, China will establish a national industrial internet standardisation coordination and promotion group, an implementation group and an advisory group, will develop general standards, application standards and security standards, and will simultaneously construct the corresponding capability of test and verification.

6. SESEC expert made a working report to the “Committee on Standards” of European Commission

Dr. Betty Xu, an expert of SESEC project, delivered a presentation in the “Committee on Standards” of European Commission on 8 Nov 2017, introducing the newly revised “Standardisation Law of China” and summarising achievements that SESEC III has made in the past three years.

The “Committee on Standards” of European Commission is composed of delegates from ministries of economy of member states and representatives of NSBs.

7. EU-China Standard Working Group and Conformity Assessment Working Group held Meetings in Beijing

On 21 November 2017, EU-China Standard Joint Working Group and EU-China Conformity Assessment Joint Working Group held their annual meetings in Beijing, exchanging latest information related to standardisation and market access of each other's market.

Mr. Joaquim Nunes de Almeida, Director of European Commission/ DG-Grow/Unit B and Mr. Chen Hongjun, Vice Administrator of SAC attended the Standard Joint WG meeting. Both parties agreed to revise the Term of Reference (TOR) of the WG, and shared the present situation concerning China's standardisation law, EU-China Standardisation Information Platform (CESIP), standardisation education, standardisation in green manufacturing, standardisation need for EU-China trade, TBT notifications, etc.

In the Conformity Assessment Joint WG meeting, Ms. Claudia Martinez Felix and her fellow-officers from European Commission/DG-Grow/Unit B had an in-depth communication with CNCA officers, who were led by Mr. Chen Haiyang, Director General of CNCA. Their communication involved CCC reform in China, updates of EU's new legislation framework, durability test requirements for cars in China, market surveillance in EU, China's market surveillance reform and plan, and China's energy efficiency labelling management system, etc.

The regular bilateral communication mechanism was initiated in 2003, and the two WGs hold periodic meetings every year in EU and China, alternately, which has effectively facilitated both sides to keep abreast of new situations happening in each other's market.

8. EU-China Standardisation Information Platform Promotion Event in Beijing

On 22 November 2017, SESEC and SAC jointly held the EU-China Standardisation Information Platform (CESIP) Promotion Event in Beijing. Mr. Joaquim Nunes de Almeida, Director of European Commission/ DG-Grow/Unit B, Ms. Fan Chunmei, Vice Director-General of SAC/International Cooperation Department, and other 50 representatives of different organizations, institutions and enterprises from EU and China attended the meeting, which improved the visibility of the platform and facilitated its wide use.

CESIP was built and put into use in 2010. It was designed to facilitate finding and tracking standard information for enterprises from both Europe and China and to boost the development of China-EU bilateral trade. Since its establishment, cooperation between Europe and China on standardisation information exchanging has showed impressive results. The platform and its information exchanging mechanism have realised periodic standard information exchange between both sides. Up to now, CESIP has included over 60,000 pieces of standardisation information from total 10 sections concerning electrical equipment, environmental protection, machinery, packaging, textile, toys, medical devices, aerosol containers, child care articles and leathers, with 42,330 pieces from China and 23,915 pieces from Europe. Furthermore, the platform provides industry guidebooks of sections covered in both Chinese and English, with which a public service pattern of "information-intelligence-knowledge" all in one has been built for China-Europe standard information exchange.

IoT & M2M

9. *Guidelines on Standard System Construction for National Internet of Vehicle (IoV) Industry (Draft for Comments)* called for comments

In order to promote the development of China's IoV industry, and exert the regulating and promoting role of technical standards in the cause, SDOs and experts were organised by MIIT and SAC to draw up the *Guidelines on Standard System Construction for National Internet of Vehicle (IoV) Industry*. These guidelines consist of 4 parts, i.e. general requirements, intelligent connected vehicle, information and communication, electronic product and service, among which the comment collection for the intelligent connected vehicle part has been completed months ago, while those for the other three parts are released now.

10. China developed its first IoT-based shared bike standard

On 6 November, China Communication Industry Association published China's first association standard concerning IoT-based shared bike system: *General Technical Requirements for IoT-based Shared Bike Application System*. The standard put forward the overall structure for shared bike application system, as well as technical requirements in aspects of function, performance, and information security for mobile app, bike and platform sub-systems.

11. Printing and distribution of the *Guideline on the Construction of Standard system of National Industrial Base*

Recently, the *Guideline on the Construction of Standard System of National Industrial Base* (hereinafter referred to as *Guideline*) has been jointly printed and distributed by Standardisation Administration of China and Ministry of Industry and Information Technology of the People's Republic of China. In the *Guideline*, it is stated that by 2020, China will develop and revise more than 2,000 national standards and industry standards in the field of industrial base and substantively participate in the development and revision of more than 100 international standards.

Industrial base standards mainly include 4 parts which are basic parts (components), basic processes, basic materials and basic generic technologies. By the end of 2016, there are over 5,700 valid industrial base standards in China, among which there are more than 3,100 national standards and more than 2,600 industry standards covering over 50 fields of expertise with an international standards conversion rate of about 78% in key areas.

For ensuring the goal achievement, the *Guideline* made clear that there are 9 key tasks for the construction of standard system of national industrial base: the R&D of core basic part (component) standards, advanced basic process standards, key basic material standards and basic generic technology standards as well as the promotion of the research and experimental verification of industrial base standards, the comprehensive standardisation in the field of industrial base, the generalisation of military and civilian standards in the field of industrial base, the leading role of association standards and industry standards, and the internationalisation of standards in the field of industrial base.

12. Ministry of Industry and Information Technology of the People's Republic of China proposed to speed up the R&D of high-end intelligent remanufacturing standards and to promote the continuous expansion of the remanufacturing industry

Ministry of Industry and Information Technology of the People's Republic of China recently has formulated and issued the *Action Plan on High-end Intelligent Remanufacturing (2018-2020)* (hereinafter referred to as *Action Plan*) for accelerating the development of high-end intelligent remanufacturing industry and further improving the technical management of mechanical and electrical products and the quality of industrial development. In the *Action Plan*, it is stated that the R&D of high-end intelligent remanufacturing standards shall be accelerated and by 2020, 50 high-end intelligent remanufacturing standards concerning management, technology, equipment and assessment shall be issued.

The *Action Plan* emphasised that the support for high-end intelligent remanufacturing standardisation shall be strengthened, the regulatory and leading role of standards shall be put into full play, a complete remanufacturing standard system shall be established, the R&D by industry associations, pilot units, research institutes and the like of high-end intelligent remanufacturing generic standards concerning basics, technology, management, inspection, assessment, etc. shall be encouraged, the development of industry and association standards by pilot enterprises of mechanical and electrical products shall be encouraged, the production of remanufacturing products shall be normalised and the promotion and application of remanufacturing products shall be facilitated.

Communication network & Services

13. State Council promotes large-scale deployment of IPv6

Recently, General Office of CPC Central Committee and the State Council released the *Action Plan to Promote Large-scale Deployment of IPv6*. In this plan, China proposed to realise the fully support of network, application and terminals to IPv6 by 2025.

To guarantee the accomplishment of the target, the action plan put forward a series of key tasks in the following years, containing the upgrade of internet application service, the transformation of network and application infrastructure, security safeguard, and the development of key cutting-edge technologies. Furthermore, the action plan also includes detailed implementation steps for the periods of 2017~2018 and 2019~2020, separately.

14. NDRC continued the construction of new generation information infrastructure

On 21 November, NDRC released the *Notice on Organising Construction Projects of New-Generation Information Infrastructure in 2018*. According to the notice, financial support from NDRC will be available in 2018 for three categories of information infrastructure construction projects: fibre access projects in rural areas, 5G deployment projects, and nationwide area quantum communication backbone network projects.

15. MIIT regulated 5G system's frequency bands

MIIT released the *Notice on the Use of Frequency Bands 3300-3600MHz and 4800-5000MHz by 5G System* on 15 November. It stipulates that frequency bands 3300~3600MHz and 4800~5000MHz are allocated to 5G system, and in principle the frequency bands

3300~3400MHz are only for in-door use. Moreover, application for using the following frequency bands won't be accepted or approved as of the release of the notice.

- Ground fixed service frequency within 3400~4200MHz and 4800~5000MHz
- Space radio station service frequency within 3400~3700MHz
- Space radio station TT&C frequency within 3400~3600MHz

General products' safety

16. GB 31241-2014 Lithium Ion Cells and Batteries Used in Portable Electronic Equipment—Safety Requirements revised

On 1 November, AQSIQ and SAC released the Amendment No.1 of *GB 31241-2014 Lithium ion cells and batteries used in portable electronic equipment—Safety requirements*. The Amendment cancelled heavy impact test for soft-packed battery, and stipulated that, for those battery packs without overcharge protection circuits, maximum charging current, instead of protective current of overcurrent charging, shall be used to conduct the tests stipulated in Article 9. The Amendment will take effect on 1 February 2018.

Energy management & Environmental protection

17. CNIS Called for Comments on National Standard: Indicators of Green City

The project was launched in November 2016, aiming to help implementing the *National Plan for New-type Urbanisation (2014~2020)*. It presents the overall requirements for the construction of green city, as well as indicators in 3 areas, i.e. green production, green living, and environment quality. It applies to green city evaluation and the measurement of green development level for prefectural and above cities.

18. MEP developed a standard to monitor electromagnetic radiation of mobile communication base station

MEP drew up a standard of *Monitoring Method for Electromagnetic Radiation Environment of Mobile Communication Base Station*, which calls for public comments at present. The standard will be used to regulate the monitoring of electromagnetic environment of mobile base station, timely and accurately report the level and scope of mobile base station's electromagnetic influence. MEP has confirmed that the standard will be upgraded to the level of national environment protection standard.

19. Green Production and Consumption International Conference 2017

From 9th to 10th of November, the Green Production and Consumption International Conference 2017 was held in Shaoxing, Zhejiang.

In the session of keynote speech, experts from Chinese Academy of Engineering, Ministry of Greece Economic Development and Industry, the Institute of Science and Development of Chinese Academy of Sciences, Global Green Growth Institute (GGGI) China office and the Resources and Environment Branch of China National Institute of Standardisation delivered speeches on majors issues like clean production, green development in Europe, new economic power of China, energy efficiency, green policy standard, etc. respectively.

In the meantime, there were 5 parallel sessions on green motor and mechanical and electrical industry, green illumination, green building materials, green pharmaceuticals and green design industry respectively as well as 2 workshops on the publicity and implementation of water efficiency standard and label and on the creation of demonstration project of energy saving standardisation, through all of which the further promotion of ecological civilisation construction by making green policies, standards and tools to boost green production and consumption has been explored thoroughly from various angles.

In recent years, China has carried out a large amount of work concerning the formulation and implementation of green related policies, regulations and standards, and last year, Standardisation Administration of China approved the establishment of National Standardisation General Working Group on Green Products with China National Institute of Standardisation as the secretariat. So far, the examination and report for approval of the first batch of 13 national standards of green product assessment has been finalised.

Certification

20. China revised the *Administrative Measures on Certification Bodies*

On 14 November, AQSIQ released the AQSIQ Order No.193: *Administrative Measures on Certification Bodies (2017 edition)*, replacing its 2015 edition (AQSIQ Order No. 164). These measures will come into practice on 1 January 2018.

Comparing to the 2015 edition, main modifications made on the 2017 edition are as follows:

- Convert the prior approval items of the establishment of certification bodies to that of the ex post facto approval
- Cancel the qualification approval of certification bodies' subsidiaries undertaking certification service in China
- Remove articles related to foreign certification bodies' China office.

In addition, the revised administrative measures strengthen the in- and after-event supervision on certification bodies, and enhance the decree's operability.

Annexes and translated document

Annex 2 SESEC Translation: A comparison of the Standardization Law of the People's Republic of China with its Previous Drafts

Annex 1 SESEC Translation: **Standardization Law of People's Republic of China (Issued on 4 November 2017)**

Annex 3 SESEC Translation: Guiding Opinions on Participation of Foreign-Invested Enterprises in Standardisation Work of China (Issued on 6 November 2017)

Annex 4 SESEC Translation: Administrative Measures for National Standardization Technical Committees (Issued on 6 November 2017)