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Review by: SESEC steering Committee  
Date of issue: 2015-02-15

# **SESEC III China Situation Monthly Newsletter**

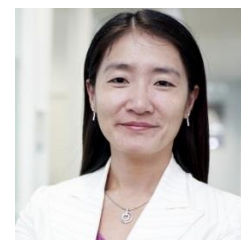
for

## **Jan 2015**



### **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.

### **SESEC III Monthly Newsletter**

SESEC III Monthly Newsletter is the gathering of China regulatory and standardization intelligence. Most information of the Monthly Newsletter were summarized from China news media or website. Some of them are the first-hand information from TC meetings, forums/workshops, or meetings/dialogues with China government authorities in certain areas. Regulatory and standardization information summaries, translations, and strategic analyses in the prioritized areas selected by SESEC partners, were offered by SESEC III expert. With the limited resources of SESEC III, detailed translations of some news items only can be available on request.

### **SESEC III Special Reports**

SESEC III Special Reports are the regulatory and standardization reports on some areas with deeper and wider overview or analyses. SESEC III Special Reports also cover the prioritized areas selected by SESEC partners. They also can be some hot topics or lobby activities reports in China.

### **This Month Newsletter**

Feb 19 2015 is Chinese New Year, therefore January is the best month for Chinese governmental organizations to make the yearly summaries. In this month SESEC III newsletter, summaries on 2014 China standardization activities and events were offered. Some new work plans for 2015 were also shown.

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### Horizontal Issues

**Relevant: All**

1. China Standardization Published "China Top Ten Standardization News Events and Most Eye-catching Standards in 2014"
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5. IP: China Outlines IP Service Standards System

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### Internet of Things

**Relevant: ETSI**

N/A

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### "Smart" Topics (Smart Grids, Smart Metering, Smart & Sustainable Cities & ITS)

**Relevant: ETSI CEN/CENELEC**

7. CEC Called for Comments on 5 E-Vehicle (EV) Related Standards (Draft for Comments)

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8. China Intelligent Terminal Security Industry Association Was Launched to Promote Mobiles Security Standards

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**Relevant: CEN/CENELEC**

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10. SAC Called for Comments on Compulsory Standard GB 2099.7 Plugs and Sockets of Home Use and Similar Use, Section 2-7: Special Requirements of Sockets with Extension Cord (Draft for Approval) with Deadline on Feb.20, 2015
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13. First Intercity Railway Construction Standards Coming into Effect on 1st of March
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### Environmental Protection/EcoDesign

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15. National Circular Economy Standardization Pilot Project Achieved Significant Progress
  16. Construction Waste Utilization Industry Alliance Issued 11 Standards
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**Medical Devices**

**Relevant: EFTA CEN/CENELEC**

- 17. 2015 National Meeting on Medical Devices Supervision and Administration Held in Beijing
- 18. China Food and Drug Administration(CFDA) issued Administration Specification on Operation of Medical Devices

**Consumer Protection**

**Relevant: EC**

- 19. Breakthrough in Automotive Modification Market with Issuance of National Standards

**Cosmetics**

**Relevant: EFTA/CEN/EC**

- 20. China Food and Drug Administration ( CFDA ) held a Forum on Cosmetics Legislation: Cosmetics Supervision and Management Regulation (draft) will Be Released Soon

**M2M**

**Relevant: ETSI CEN/CENELEC**

- 21. Secretary of the China Communications Standards Association (CCSA) Participated in the OneM2M Conference And Promoted the Conversion of OneM2M Standards In China

**Energy management/Energy Efficiency**

**Relevant: ETSI CEN/CENELEC**

- 22. More Rigorous National Standard on Power Consumption in the Standby Mode of Electromagnetic Oven Took Effect in 1st January, 2015
- 23. Seven Ministries Jointly Promulgated the “Action Plan ‘Pioneer’ on Energy Efficiency Regulations”
- 24. SAC Approved And Released 16 Standards On Energy Conservation

**Certifications/Technical Regulation/**

**Relevant: All**

N/a

**IT/ICT**

**Relevant: ETSI CEN/CENELEC**

- 25. Cloud Computing: State Council published a proposal on promoting the development of innovation of new industry based on cloud computing

**Machinery & Special Equipment**

**Relevant: CEN/CENELEC**

- 26. Special equipment: AQSIQ published the Onsite Supervision and Inspection Rule on Safety of Special Equipment (No. 5 2015)
- 27. Special equipment: AQSIQ published mandatory TSG7005-2015 with implementation date on 1 Jul 2015.

**SESEC Special Report of Dec 2014**

- ❖ China E-Mobility Standardization Interpretation As of Jan 2015

## 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
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
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
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
TC	Technical Committee for Standard Development	标准化技术委员会

## Contents

### **1. China Standardization published “China Top Ten Standardization News Events and Most Eye-catching Standards in 2014**

The top ten news events and the most eye-catching standards in 2014 have been issued by *China Standardization* based on the experts review and public voting on Wechat. :

Top ten standardization news events in 2014 are:

- Premier LI Keqiang made key speech at *China Quality Conference* in Sept 2014: Persistent on standards and legislation leading, and set the new target for China quality control work
- SAC released three main measures on standardization reform
- NDRC and SAC launched construction of new urbanization standards system
- "Fence Building " special project on consumer products safety standards
- National Special Trade Logistics Standardization Project helped to improve the goods logistics efficiency
- Establishment of SAC/TC 548 on Carbon Emission Management
- China re-elected as council member of ITU
- SGCC received “Corporate Award” from IEEE-SA
- Innovative multimedia approach to facilitate standards publicity & implementation
- Breakthrough in international standardization of Beidou satellite navigation system

The ten most eye-catching standards in 2014:

- National food safety standards on flavoring essence for food
- Toy safety
- National standards on the quota of water intake
- GB/T 31275-2014, Assessment of lighting Equipment Related to Human Exposure to Electromagnetic Fields
- GB 13271-2014, Emission Standard of Air Pollutants for Boiler
- National standards on the quota of energy consumption per unit products of metallurgical enterprises
- High criteria agricultural land - general guide
- National standards on packages (Packaging–Rate of energy recovery–Definition and method of calculation)
- National standards on General-purpose flat pallets for through transit of goods GB/T 4995-2014
- GB/T 31287-2014, National organization code application—identifying specification

All the details of these results were published on the first issue of *China Standardization*. For more information, please contact SESEC expert.

**2. Zhang Xiaogang, General Manager of China's Ansteel, Officially assumed as Chairman of ISO and Delivered Inauguration Speech**

With the new year's coming, Mr.Zhang Xiaogang, General Manager of China's Anshan Iron and Steel Group Corporation (Ansteel), officially took the position as the chairman of the International Organization for Standardization (ISO). The central secretariat of ISO has sent out his inauguration speech to all the ISO members worldwide. It was the first time for a Chinese national to be appointed as the top chairperson of ISO since it was instituted 68 years ago, which represented a milestone for China's participation of international standardization.

Mr Zhang Xiaogang was elected as the chairman during the 36th ISO Conference in Moscow on Sept. 20, 2013 and he was the chairman-elect starting from Jan.1, 2014. His chairmanship is from Jan.1, 2015 to Dec. 31, 2017.

**3. SAC launched "New IT Platform" to Improve TC Works; It Is Hoped that the VOTING in TC could be widely implemented**

The Standardization Administration of China (SAC) recently released the *Notice on Test and Trial Operation of Working Platform for SAC*, according to which, a three-month test and trial operation of the working platform for SAC (hereinafter referred as "new platform") will be launched after the Spring Festival in Feb. 2015. The launch of the new platform will improve the working quality and efficiency of national standards drafting/revision, and make the TC work more open and transparent. It also symbolized a further step on promoting standardization and informatization.

The new platform, an on-line working platform for all the national standardization committees, offers the functions as documents sharing, video conference, e-voting, internal forum, project searching, and notice release, helping to realize the on-line and paperless standardization work of technical committees. The promotion of video conference will enhance the working efficiency of the technical committees and cut cost for enterprises who participate in the standardization work. While the e-voting system can uphold fair and just for stakeholders' involvement, and guarantee an open and transparent procedure in standards developing.

According SESEC expert analysis, the new platform launched by SAC will facilitate the promotion of TC voting system in China.

**4. From Dec. 2014 to Jan. 2015, more than 30 standardization committees elected new officials and recruited new members**

With the coming of 2015, more than 30 national Technical committees are making reconstitution and calling for new members.

The list of these 35 Technical committees, the mirror committees of IEC/ISO and the TC secretariats and contact details were attached separately. Here are examples were showed.

Chinese name	Full English Name	IEC/ISO Mir-	Contact Details
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<a href="#">关于全国环境管理标准化技术委员会及其 3 个分技术委员会换届及征集委员的通知</a>	SAC/TC207 National Technical Committee on Environment Management	ISO TC 207	Secretariat: Address: Room1015, No.4 Zhichun Road, Haidian District, Beijing. Contact:WU Lili Tel: 010-58811860、18901263885 Email: <a href="mailto:CNIS_TC207@163.com">CNIS_TC207@163.com</a>
<a href="#">关于全国橡胶与橡胶制品标准化技术委员会软管分技术委员会换届及征集委...</a>	SAC/TC35/SC1 National Technical Committee on Rubber & Rubber Products	ISO TC 45	Secretariat: Contact:WANG Shuli Address: No.9 Xinshun Street,Tiexi District, Shengyang Tel: 024-25635541 、 024-25874581-2063 Email: <a href="mailto:wsl807@126.com">wsl807@126.com</a>
<a href="#">关于全国家用电器标准化技术委员会 2 个分技术委员会调整秘书处承担单位征...</a>	SAC/TC46/SC9 National Technical Committee on Household Electric Appliances	IEC TC 59	Email: <a href="mailto:yixr@sac.gov.cn">yixr@sac.gov.cn</a> <a href="mailto:zhaoy@sac.gov.cn">zhaoy@sac.gov.cn</a>
<a href="#">国家标准委办公室关于成立全国汽车标准化技术委员会汽车节能分技术委员...</a>	SAC/TC114/SC32 Subcommittee 32 Automotive Energy Saving of National Technical Committee 114 on Road Vehicles of Standardization Administration of China	ISO TC 22	Contact: SAC directly

### 5. China Outlines IP service standards system

On Jan. 21, 2015, four government departments - the State Intellectual Property Office (SIPO), the Standardization Administration of China (SAC), the State Administration of Industry and Commerce (SAIC) and the National Copyright Administration of China (NCAC) - jointly published the *Guiding Opinions on Establishing an Intellectual Property Service Standards System*, specifying that China will aim to create a national IP standards system by 2020. This initiative is part of the *Five-Year Action Plan of the National IPR Strategy (2014-2020)*, which was endorsed by the State Council on January 6.

According to a press release published on the SIPO website, SIPO's Planning and Development Department has highlighted a number of key tasks in the creation of China's IP standards system:

- Building IP service standardization technical committees
- Developing pilot programs
- Cultivating talent Strengthening research
- Promoting IP service standardization

### 6. CCSA held its 1st 2015 TC meeting and discussed a range of agenda items

The Technical Management Committee of China Communications Standards Association (CCSA) held its first meeting in 2015 on 23rd of January in Beijing. The agenda items under deliberation and discussion during the meeting include: OneM2M-related national standards, solicitation of rational proposals for setting up and restructuring TCs through diversified ways, issues related to National Technical Committee on Communication of Standardization Administration of China, the first set of proposals for CCSA projects in 2015 and the draft standards of CCSA submitted to the authority for approval.



With CCSA as one of its co-founding partners, OneM2M, the global standards initiative for Machine to Machine Communications and the Internet of Things, has been established for more than 2 years. Up to now, OneM2M has published 9 technical specifications covering functional architecture, normative technical requirements, management module and other areas. In order to integrate research findings on global standards into China's domestic standardization practices in a timely fashion and to achieve mutual development, the meeting decided to designate the Ubiquitous Network Technical Committee (TC10) of CCSA to take the lead in localizing OneM2M standards. CCSA hopes to enhance its influence on the cross-industry application of the Internet of Things through coordinating OneM2M's relationships with International Communications Union (ITU) and other domestic standardization-related works as well as localization of OneM2M global standards.

It was brought up during the meeting that, the Secretariat should better advise CCSA on TC restructure by adopting a more scientifically reasonable approach and dividing TCs according to their own specific technical fields and research scopes. Rational suggestions and advices on setting up and rearranging TCs and its working groups should be solicited through diversified ways.

The National Technical Committee on *Communication of Standardization Administration of China (SAC/TC543)* was approved and established in 2014 by Standardization Administration of the People's Republic of China, with CCSA serving as the Secretariat. The January TC meeting made the following decisions in the event that CCSA carries out TC543-related activities in the near future:

- SAC/TC543 initially works on its own to test feasibility, with CCSA Secretariat coordinating the projects. TC or ST or Standards Coordination Groups can be set up by CCSA when necessary.
- Apart from setting and revising relevant national standards, SAC/TC543 also assumes the responsibilities of researching and developing communications-related industry-wide standards, CCSA standards as well as research subjects.
- Continue researching on breakthrough point during the work. Examples include: setting up specification for user perception-oriented service and internet service, supporting the relevant work of the service department of Bureau of Telecommunication Administration and setting up other industry standards.

In addition to the above agenda items, the first set of project proposals in 2015 were considered and discussed by the meeting. 19 out of 22 project proposals for CCSA standards and all of the 9 CCSA standards drafts submitted to authority for approval were finally reviewed and passed by the meeting. The reporting organization and the drafting department revised and perfected the proposals and drafts according to the suggestions brought up by the expert committee. The proposals and drafts were printed out and circulated by CCSA after the meeting.

### 7. CEC called for comments on 5 E-Vehicle (EV) related standards (draft for comments)

On Jan. 19, 2015, CEC called for comments on five EV related standards (draft for comments), with the deadline of Mar. 18, 2015. The five standards are:

- GB/T 20234.1-xxxx Connection set of conductive charging for electric vehicles Part 1: General requirements
- GB/T 20234.2-xxxx Connection set of conductive charging for electric vehicles Part 2: AC charging coupler

- ✓ • GB/T 20234.3-xxxx Connection set of conductive charging for electric vehicles Part 3: DC charging coupler
- ✓ • GB/T 18487.1-xxxx Electric vehicle conductive charging system Part 1: General requirements
- ✓ • GB/T 27930-xxxx Communication protocols between off-board conductive charger and battery management system for electric vehicle

### 8. China Intelligent Terminal Security Industry Association launched to promote mobiles security standards

On 18th Jan 2015, China Intelligent Terminal Security Industry Association was launched in Shanghai. The Association recommended standards “Intelligent Terminal Security 4S suggested standard” were also released.

China Intelligent Terminal Security Industry Association covers the full chain of mobiles, research and development, and society services. The Association will focus on the cooperation between the industries and promote some association endorsed standards.

### 9. Joint Conference of 2014 Annual Meeting of Wind Power Generating Equipment Subcommittee of China Electrical Equipment Industry Association and Inauguration Meeting plus Standards Review Meeting of Wind Power Equipment Subcommittee under Wind Power Standardization Committee of Energy Industry was held

The joint conferences of *2014 Annual Meeting of Wind Power Generating Equipment Subcommittee of China Electrical Equipment Industry Association* and *Inauguration Meeting plus Standard Review Meeting of Wind Power Equipment Subcommittee under Wind Power Standardization Committee of Energy Industry* were held on 10th, Dec, 2014 in Shanghai.

In order to have a better quality control of wind power equipment manufacturing industry and add more technology talents to the wind power subcommittee, the conference passed a resolution to add Ms. XING Heping, the department head from China Quality Certification Center (CQC), as one of the vice secretary of the sub-committee.

The representative of NEA announced *The Notice from the General Department of National Energy Administration on Readjustment of Technology Committees and its Affiliated Subcommittees of Energy Industry Wind Power Standardization*. (NEA General Department Doc No. [2014]846).

The standards drafting team reported the standards drafting principle, references, process, main contents of draft and the resolution after the “call for comments”. Upon discussion and review, the subcommittee passed three standards of energy industry. The three standards are *Wind Power Electrical Equipment - General Safety Requirements* (Doc Type: Energy, No. 20120434), *Whole Set Supply Specification of On-Grid Wind Power Generators* (Doc Type: Energy, No. 20130865), and *Standards of After-Sales Service of Grid Connected Turbines* (Doc Type: Energy, No. 20130863). The working group also requested the members of subcommittee to revise two industrial standards and exam them by letters. The two standards are *Micro Grid Wind power generators Performance and Safety specification* (Doc Type: Energy, No. 20130862) and *Micro Grid Wind Power Generators controller technical Specification* (Energy Doc No. 20130864)

### **10. SAC called for comments on Compulsory Standard GB 2099.7 *Plugs and Sockets of Home Use and Similar Use, Section 2-7: Special Requirements of Sockets with Extension Cord (Draft for Approval) with deadline on Feb.20, 2015***

SAC/TC67 completed draft of *GB 2099.7-Plugs and Socket-outlets for Household and Similar Purposes-Part 2-7: Particular Requirement for Cord Extension Sets* and called for the comments.

The Chinese version of the standards and its drafting notes can be downloaded here

附件 1: [GB2099.7《家用和类似用途插头插座 第 2-7 部分: 延长线插座的特殊要求》\(报批稿\)](#)  
附件 2: [GB2099.7《家用和类似用途插头插座 第 2-7 部分: 延长线插座的特殊要求》\(编制说明\).doc](#)

### **11. Symposium on Standardization held by Equipment Industry Department of MIIT**

The Equipment Industry Department of the Ministry of Industry and Information Technology (MIIT) held a symposium on the equipment industry standardization in Beijing on Jan 27. Attendees include standardization coordinators of different technical offices and representatives from the entrusted agencies and the technical support institutions of MIIT.

At the meeting, the attendees summarized the equipment industry standardization work in 2014 and planned for the tasks to be finished in 2015. The entrusted agencies reported on the standardization work of relevant industries in 2014 and their work plan for 2015. Meanwhile, challenges faced in the work were also discussed.

Deputy Director of Equipment Industry Department Mr. Wang Weiming summarized the outcomes of the meeting and raised specific requirements for the work to be carried out in the next phase:

- Focus on the high level planning of standardization work; Efforts should be made to draft the outline of “the 13th Five Year Plan” of equipment industry standardization as well as streamline the technology standardization system;
- Further push forward the overall standardization for intelligent manufacturing industry;
- Accelerate the standardization of such emergent industries as additive manufacturing (AM), industrial robot, etc.
- Push forward the standardization of China’s equipment industry by centering on key national strategies such as the “One Belt One Road” strategy (Silk Road Economic Belt” and “21st Century Maritime Silk Road”);
- Strengthen the implementation of standards and specifications;
- Accelerate the construction of the management system of equipment industry standardization;

### **12. National Railway Administration finished 54 Railway Technical Standards English Translation**

In order to promote China’s railway construction capabilities and facilitate the exchange of railway technologies, together with China Railway Corporate, the National Railway Administration organizes



dozens of domestic enterprises and institutions to translate the railway technical standards into English. In 2014, the English translation and publication of 54 railway technical standards were completed.

In recent years, with the rapid development of railway construction (especially high speed railway) in China, new achievements have been constantly made in the field of innovative railway technology. Based on this, a railway technical standard system with Chinese characteristics has been established, which has provided firm technical supports to accelerate the development of railway industry. The English translation of railway technical standards is urgently needed to promote China's railway construction capabilities. It also helps the international community to deepen their understanding of China's railway technical standard so as to boost its internationalization and promote China's railway construction capabilities at a higher level.

The translation of technical standards involves a wide range of disciplines and faces with lots of challenges. In order to ensure the quality and timely completion of the translation, the National Railway Administration has drafted a work plan aiming at completing the translation of major railway technical standards in 3 years. So far, the translation of such important standards as "High Speed Railway Design Specification" has been kicked off and it is expected that the English version of "High Speed Railway Design Specification" will be published in the first half year of 2015.

### **13. First intercity railway construction standards coming into effect on the 1st of March**

Reviewed by the Technical Committee of National Railway Administration, the "Intercity Railway Design Specification" coming into effect on the 1<sup>st</sup> of March 2015 was approved and issued by National Railway Administration. As the first national intercity railway industry standards, the specification will provide key technical support for attracting local-governmental and social capital to invest in intercity railway construction, and therefore accelerate the new-style urbanization.

According to the recently issued "Intercity Railway Design Specification", intercity railway carries fast and convenient high-density passenger trains running speed up to 200km/h, and provides dedicated services between adjoining metropolitans or metropolitan areas. Normally covering regional areas and a short distance, intercity railway services often operate like public transportation with less carriages and high frequency. Compared to high-speed railway, intercity railway has significant differences in meeting particular demand, inherent technical characteristics and operational module.

"Intercity Railway Design Specification" takes into consideration of passenger flow distribution pattern in adjoining metropolitans and metropolitan areas, follows the urbanization strategy, and conforms to the investment diversification characteristics of intercity railway construction. With the objectives of being safe, advanced, economical and fast, the specification put emphasis on serialization speed matching and matching design of equipment. While safety concern is put as priority and the concept of environment-friendly construction is stressed, "Intercity Railway Design Specification" is more remarkable for its economical efficiency of technology.

The calculation demonstrates that, within the safe range, the static investment of projects following the "Intercity Railway Design Specification" can save more than 10% than before under the same condition of railway classification, design speed, transportation capacity and transportation efficiency. The specification places more importance on establishing a comprehensive transportation system, giving full play to its role in railway network and integrating with other forms of transport. Taking into consideration of

key node setting-up, connection and interchangeability with railway network, the specification also emphasizes the smooth connection between intercity railway and other forms of public transport such as urban rail transit, to ensure convenient interchange.

“Intercity Railway Design Specification” will soon be published by China Railway Publishing House. In order to help the general public better understand the importance and related technology of developing intercity railway construction standards, National Railway Administration called upon an expert group to interpret the key issues addressed in the specification. Relevant information can be found from the Q&A section of the official website of National Railway Administration.

### **14. Urban Rail Transit: MOT published the Standards System of Urban Transport (2014)**

This standards system determines the 4 levels of the framework of the urban transportation standards system: infrastructure standards, service standards, technical standards and product standards. It clearly lists the key standards to be referenced for urban transportation, and introduces the task and the objective for standards development and revision for the next period.

### **15. National circular economy standardization pilot project achieved significant progress**

According to the newly released information from Standardization Administration of the P.R.C., the Administration has approved 77 pilot projects, including 12 cities, 15 industrial parks, 50 enterprises, giving accreditation to 22 organizations, ever since the pilot work of national circular economy standardization launched in March 2007, achieving significant result.

“State Council Recommendations on Accelerating Development of Circular Economy” issued in 2005 brought up the idea of launching pilot projects of circular economy in key industries, areas, parks and cities. National Development and Reform Commission, together with relevant institutions, approved 178 organizations in two phases to carry out the pilot projects, finding deficiencies in saving energy, water, material, land as well as standardization of comprehensive utilization of resources. “Law Promoting Circular Economy” introduced in 2009, symbolizing legalization of circular economy, required to establish circular economy standardization system, formulate and improve standards with regards to saving energy, water, material, waste recycling and resource utilization. In accordance with relevant laws and regulation and State Council Documents, Standardization Administration of the P.R.C., together with National Development and Reform Commission issued “Guidance and Recommendations on Circular Economy Standardization Pilot Work”.

In order to enhance the operation efficiency of circular economy standardization pilot work, Standardization Administration of the P.R.C. launched information platform for national circular economy standardization and developed national circular economy standardization declaration system.

Standardization Administration of the P.R.C., in conjunction with National Development and Reform Commission, issued “National Circular Economy Standardization Pilot Projects Assessment Scheme (Trial Version)” in 2011. The assessment scheme took into consideration four aspects: circular economy standardization work pattern, fundamental work of circular economy standardization, promotion



and application of circular economy standardization, establishment of circular economy informational platform.

### **16. Construction waste utilization industry alliance issued 11 standards**

Recently, Technical Innovation Strategic Alliance of Construction Waste Utilization Industry issued 11 alliance-wide standards, including energy-saving and clean production sub-units. The issuance reflected the urgent industry demand for product safety standard, which would promote the national development of construction waste utilization to a great extent.

The alliance issued 6 standards in the clean production sub-system including emission and control standard for environment noise, discharge and control standard for air pollutant, guidance on the application of low carbon logistics, clean production evaluation indicating system, industrial and technical specification on rain and snow recycling, and technical guidance on the disposal and reutilization of sewage. The 5 standards coming into effect in next January in the energy-saving sub-system included energy consumption limit per unit of product, equipment energy-saving standard, requirement on control of energy-measuring instrument, standards for energy-saving monitoring and comprehensive evaluation standards for energy saving.

The standards issued by the alliance raised high demand for a number of indicators, with many highlights. For example, “Discharge and Control of Air Pollutant” set an indicator even higher than national “Ambient Air Quality Standards”

Industrial noise emission limit of compact plant at boundary mentioned in the “Emission and Control Standard for Environmental Noise” is imperatively set at 55 decibels during the day and 45 decibels at night, higher than the same indicator in “Ambient Air Quality Standards”, which are the national standards

“Unit Product Energy-Consumption Limit in Compact Plant” stipulated the energy consumption limit of 0.9 kg coal equivalent /m<sup>3</sup> per unit product of high performance concrete.

The alliance standards for “Provision and Management of Measuring Instrument” requested 100% provision and usage rate for three level measuring instrument. The concrete industry, highly concerned by both national government and the general public at the moment, is a major energy consumer in the construction industry. The implementation of the standards, together with the third party contract energy control model brought in by compact plants, will start a new phase of energy control, setting up a new standard for construction industry.

Technical Innovation Strategic Alliance of Construction Waste Utilization Industry, aimed at providing solution to the industrial and technical bottleneck problems that constrained the construction waste utilization in China, is the only alliance in China construction industry. The alliance’s “industrial innovation standardization system” consists of 7 major sub-systems, touching upon a set of segments of the industry chains, including construction waste dismantling, transport, manufacturing, producing intermediate product and reprocessing to produce end user product. This complete, independent and scientifically-sound standardization system filled the gap in national standardization work.

### **17. 2015 National Meeting on medical devices supervision and administration held in Beijing**



The 2015 national meeting on supervision and administration of medical devices was held on 22nd of January in Beijing. The meeting summarized the 2014 supervision and administration work on medical devices, analyzed the situation in supervising and administrating medical devices, and assigned the work for 2015.

The quality of medical devices registration work was improved to a large extent because of the work in the following aspects:

Alteration of the functions of related government; regulation and innovation of reviewing and approving processes; information disclosure; assessment on medical devices registration quality; strengthening of the supervision and administration on registration work; encouraging technical innovation among enterprises.

The supervision and administration of medical devices market comprises the following work: Innovating mechanism; implementing comprehensive policies; introducing classification system for medical devices-manufacturing enterprises; executing regulation on medical devices manufacturing and controlling operation quality; listing key products under supervision and administration; supervising and administering the manufacturers, vendors and users of products with high risk; conducting a continuous selective examination of key products and monitoring the key risk areas of such products

It was reiterated at the meeting that 2015 medical devices supervision and administration system should pay attention to the following issues: strengthening awareness of law, responsibility and problem; establishing consciousness of overcoming difficulties; emphasizing overall planning and coordination; focusing on integration, interconnection and cooperation of work. 2015 work should also comprise the following areas: improving regulation system of medical devices supervision and administration; comprehensively renovating reviewing and approving system; establishing risk-prevention system for supervision and administration; enhancing the ability of medical devices safety governance; realizing responsibilities; ensuring safety of the general public in the use of medical devices.

- First, introduce scientific-sound legislation to accelerate improving regulation system of medical devices supervision and administration.
- Second, further the reform, enhancing the administration of medical devices registration in all aspects. Optimize reviewing and approving processes, establishing a sound reviewing and approving mechanism. Speed up the revision of medical devices standards, completing the administration system for medical devices standardization. Rearrange medical devices catalog. Encourage research on and innovation of medical devices. Strengthen the guidance and supervision work on medical devices registration.
- Third, focus on risks and put emphasis on supervision of medical devices market.
- Fourth, improve support to enhance the ability of medical devices supervision and administration in all aspects. Reinforce supervision and administration on ground level and technical support, constantly improving the skills and abilities of staff carrying out supervision and administration work, further enhancing informatization of supervision and administration of medical devices.
- Fifth, deepen and strengthen the multi governance of medical devices supervision and administration. Advocate integrity and self-governance of enterprises. Enhance information disclosure, increasing punishment for monitoring public opinion on medical devices safety. Give full play to the role of third party institution, exploring ways of government purchasing services provided by third party.

### **18. China Food and Drug Administration(CFDA) issued Administration Specification on Operation of Medical Devices**

In order to strengthen operating quality of medical devices, regulate administration of medical devices operation and ensure safety and efficiency of the general public using medical devices, China Food and Drug Administration formulated “Administration Specification on Operation of Medical Devices” (the Specification), in accordance to the newly issued “Rules on Supervision and Administration of Medical Devices” and “Regulations on Supervision and Administration of Operating Medical Devices”. Reviewed and approved by the 16th Administration Chief Meeting in 2014, the Specification was issued on the 12th of December and came into force as of the date.

The Specification has 9 chapters and 66 articles, requesting the enterprises operating medical devices to improve and perfect the quality administration system. Effective measures of quality control should also be adopted in purchasing, accepting, storing, selling, transporting, providing after-sales services of medical devices, so as to ensure the safety of operating medical devices.

In conjunction with the issue of the Specification, China Food and Drug Administration will accelerating improving the abilities of the staff working on the supervision and administration of medical devices, in order to better carry out the work in the Specification, lay solid foundation of the Specification and further improve the quality of the enterprises operating medical devices.

Chinese website of the Specification can be access from  
<http://www.sfda.gov.cn/WS01/CL0087/110920.html>

### **19. Breakthrough in Automotive Modification Market with Issuance of National Standards**

Wei Jiacheng, the secretary-general of the Committee of Automotive Modification, which is under Auto and Motorbike Parts Chamber of Commerce of ACFIC (All China Federation of Industry and Commerce), recently said “Automotive modification-related laws and regulations would possibly be issued in the mid-term next year”.

China’s automotive modification industry has experienced 10 years of development ever since 2005. Demand for automotive modification increased drastically, market size reaching 10 billion in 2013, concentrated in municipalities directly under the central government as well as developed provincial capitals. Investment volume increased year by year, with a growth margin higher than 20%. The growth margin became even bigger over the past three years, with new capital infused into the market reaching over 3 billion RMB.

Last year, the committee submitted “Proposal for Formulating Automotive Modification-Related Regulations” to Chinese People’s Political Consultative Conference (CPPCC). The proposal was approved in succession by 5 ministries and administrations, namely Ministry of Industry and Information Technology, Ministry of Public Security, Ministry of Commerce, State Administration for Industry and Commerce, and General Administration of Quality Supervision, Inspection and Quarantine from July to September last year. Committed to formulate related regulations as soon as possible, all the ministries and administrations agreed and supported the work put forward by the committee.

Comment: Official reply and approval from national government bodies is a breakthrough in the automotive modification market. The approval from 5 ministries and administrations, namely Ministry of Industry and Information Technology, Ministry of Public Security, Ministry of Commerce, State Administration for Industry and Commerce, and General Administration of Quality Supervision, Inspection and Quarantine, is a historic breakthrough, indicating the possible issuance of related regulations

shortly, which would significantly influence the national automotive modification market, promote innovation and development of the national automotive modification market and generate great impact on automotive aftermarket.

### **20. China Food and Drug Administration (CFDA) held a Forum on Cosmetics Legislation; *Cosmetics Supervision and Management Regulation* (draft) will Be Released Soon**

In order to learn the international best practices on Cosmetics legislation, and offer references for the drafting of *Cosmetics Supervision and Management Regulation*, on 8-9 Jan 2015, China Food and Drug Administration entrusted China Food and Drug International Exchange Center to host a forum on Cosmetics legislation. Legal experts and business experts in the cosmetics legislation areas from US, EU, and Japan, attended this forum. Officers from Legal Department, Drug Registration Department, Drug administration Department, Supervision Bureau, and Technical standards Department of CFDA, also attended the forum.

Experts from US, EU, and Japan introduced the cosmetics legislations systems in US, EU and Japan respectively. Discussions were made on the topics like the cosmetics products definition and classification, materials safety and function/effectiveness management, enterprises responsibilities and governmental supervisions. This forum benefits a lot on China's cosmetics legislations making.

CFDA claimed that it will reference the best practices of this forum and complete the drafting of *Cosmetics Supervision and Management Regulation*. *Cosmetics Supervision and Management Regulation* is currently on the "call for comments" stage on the website of CFDA. It is expected to be published soon.

### **21. Secretary of the China Communications Standards Association (CCSA) Participated in the OneM2M Conference And Promoted the Conversion of OneM2M Standards In China**

From 9th to 11th December, 2014, Secretary Zemin YANG led the Chinese delegation and participated in the OneM2M Application EXPO and ETSI M2M Symposium held in France. Representatives in ICT industry, including major carrier operators, equipment manufacturers, chip manufacturers, research institutions, consulting institutions, standardisation organisations, along with representatives from electricity, healthcare, automotive, smart household appliances industries, presented the EXPO. Chinese corporations such as China Mobile and Huawei all sent delegates to attend the EXPO and introduced their respective development in the area of the internet of things.

After the conference, CCSA decided in January 2015 that the TC 10 (Technical Committee in Ubiquitous Networking and the Internet of Things), which is affiliated to CCSA, will take the leading role in converting the OneM2M standards into China's domestic standards, including the coordination of the relations among OneM2M, ITU and China's domestic standardisations, as well as the localisation of OneM2M International Standards. CCSA hopes to strengthen its influence, through the above process, in cross-industry application of the internet of things.

## **22. More Rigorous National Standard on Power Consumption in the Standby Mode of Electromagnetic Oven Took Effect in 1st January, 2015**

Recently, the newly revised standards “Energy Efficiency Limitations and Level of Household Electromagnetic Ovens” (GB21456-2014) took effect in the 1st January, 2015, replacing the mandatory national standard GB21456-2008. In the new standard, stricter requirements are raised for energy consumption of electromagnetic ovens.

The new national mandatory standard applies to electromagnetic ovens with set power of 700w-3500w, including single or multitude heating units. With respect to testing parameters, more rigorous regulations on the heating efficiency of electromagnetic ovens are enacted; The heating efficiency should be over 88% for products whose set power exceed 1200w. For electromagnetic ovens with set power equal that is equal to or less than 1200w, the heating efficiency should reach 86%. The heating efficiency, in a sense that is easier to understand, is the energy loss in the course of the energy transformation from electricity to heat.

Also, the new national standard raised higher requirements for the power standard of electromagnetic ovens in the standby mode. Previous national standard requires the power consumption in the standby mode should be 2w. The new national standard stipulated that power consumption in the standby mode should be 1w. That is, power consumption for electromagnetic ovens in the standby mode is lower. From 1st January, 2015, all electromagnetic ovens sold in the market should comply with the new national standard.

## **23. Seven Ministries Jointly Promulgated the “Action Plan ‘Pioneer’ on Energy Efficiency Regulations”**

In accordance with the “2014 - 2015: Action Plan on Energy Conservation and Emission Reduction Development”, the “Opinions on the Acceleration of the Development of Environmental Protection Industries” and the “Action Plan on the Abatement of Air Pollution” issued by the State Council, the National Development and Reform Commission (NDRC), the Ministry of Finance (MOF), the Ministry of Industries and Information Technology (MIIT), the National Government Offices Administration, the National Energy Agency (NEA), the Administration of Quality Supervision, Inspection and Quarantine (AQSIQ) and the Standardisation Administration Committee (SAC) jointly issued the “Action Plan ‘Pioneer’ on Energy Efficiency Regulations”.

The Energy Efficiency “Pioneer” refers to products, enterprises and institutions that have the highest energy utilisation efficiency, compared to their counterparts. The implementation of the “Pioneer” system would foster the establishment of a long-term mechanism and promoting energy-saving and emission reduction, through encouraging others to follow good examples, promulgating stimulative policies and raising higher standards.

The action plan stipulated that, the list of terminal energy-consuming products with the highest energy utilisation efficiency, high energy consumption manufacturers with the minimum energy consumption and public agencies with the highest energy utilisation efficiency as well as energy efficiency benchmark and energy-saving pioneers will be regularly published. Supports from policy level will be given

to “Pioneers”. Enterprises and public agencies are encouraged to pursue the title of “Pioneer” of energy efficiency. The energy efficiency “Pioneer” benchmark will be adopted as mandatory national standards for energy efficiency and energy consumption quota in due course, improving standard status update mechanism and elevating the threshold of energy efficiency access. It is reported that the “Pioneer” mechanism encompasses three areas: terminal energy-consuming products, high energy consumption industry and public institutions. The release interval of the Energy-consuming Product “Pioneer” Catalogue will be two years. The “Pioneer” catalogue in the latter two areas (i.e. high energy consumption industry and public institutions) will be published once a year. Product that is listed in the catalogue will be entitled to use the exclusive mark of the “Pioneer” on the package or the product itself.

### 24. SAC Approved And Released 16 Standards On Energy Conservation

Recently the National Standardisation Administration Committee (SAC) approved and released 16 standards concerning energy conservation, including 6 mandatory standards on energy consumption quota and 10 voluntary standards on energy conservation. The standard is a part of the “2014-2015 One Hundred Energy Efficiency Standardisation Projects”. The “One Hundred Projects” is co-sponsored by the National Standardisation Administration Committee and the National Development And Reform Commission, planning to spend two years on the formulation of around 100 energy conservation standards, which would enhance the interconnection of standards and industry policy and facilitate China’s need in energy conservation and emission reduction, alleviating excessive energy consumption. The National Standardisation Administration Committee (SAC) collaborates with relevant ministries in establishing working groups and expert consultation team, initiating work plans, controlling energy efficiency and consumption benchmarks and promoting the implementation of each standard stipulated in the “One Hundred Projects”.

6 mandatory standards on energy consumption quota involve iron ore exploitation and processing, industrial silicon, aluminium and stainless aluminium cables, tungsten concentrates production and consumption, regulating energy consumption access for newly established enterprises, energy consumption limitation and recommended quota for established enterprises. Stronger support will be given to the energy conservation assessment in the investment of fixed assets, so as to get rid of enterprises with excessive energy consumption and align the energy efficiency with the requirements in the standards. It is estimated that the total amount of energy which equals to approximately 7000 thousand tons of standard coal would be saved once the 6 standards were fully implemented.

10 important basic standards on energy conservation include energy-saving measurement and testing standards, energy auditorial standards for public agencies in residential heating, central air-conditioning, illumination, energy-saving reconstruction of telecommunication machine rooms. The 10 standards will evaluate the effectiveness of energy conservation, support the “low-carbon actions in ten thousand enterprises” and assess the energy-saving objectives of public institutions.

For the Chinese version of China’s 60 published standards on energy effectiveness, please check the following link:

<http://energylabel.gov.cn/NewsDetail.aspx?Title=&CID=52&ID=1000>

For the English version, please see the Annex 02.

### 25. Cloud Computing: State Council published a proposal on promoting the development of innovation of new industry based on cloud computing



According to the proposal, cloud computing will be the key infrastructure for informatization and network by 2020. To support and promote cloud computing technology in China, it needs to set up the following relevant supporting measures:

- improve the market environment, including market access system and network policy;
- perfect relevant laws and policies, develop relevant policy on government procurement and industry services;
- increase fiscal and taxation policy;
- improve investment and financing policy;
- establish completed standardization system, development standards and specifications on technology, services, facility and security;
- strengthen talent team construction, personnel training, improve the incentive mechanism;
- active participation on international cooperation

The proposal puts forward the following six tasks:

- enhance the capacity of service of cloud computing, support integration and development of cloud computing, IoT, mobile internet and internet finance;
- improve ability on the independent innovation, break through the core technology of big database, strengthen the demand and application of market;
- explore the new approach of e-government in cloud computing, integration and transform existing e-government system using cloud computing, reduce duplication on establishment on database center by government;
- strengthen the development and utilization of big data, especially in disease control and prevention, disaster prevention, social security, e-government affairs;
- layout infrastructure of cloud computing, speed up the upgrading of information network infrastructure;
- enhance the ability of security, perfect information security policy and regulations, strengthen the evaluate, review and monitoring

### **26. Special equipment: AQSIQ published the Onsite Supervision and Inspection Rule on Safety of Special Equipment (No. 5 2015)**

In order to strengthen supervision and inspection on safety of special equipment, set up long term mechanism, standardize the on-site supervision and inspection, AQSIQ developed and published the On-site Supervision and Inspection Rule for Special Equipment. The rule comes into effect as of the publication day.

This rule applies to AQSIQ and its local provincial departments, which are responsible for safety of special equipment, for supervision and inspection of manufacturing (including design, manufacture, installation, modification, repair), operating (including sales, rental, and import), and using organizations.

Onsite inspection is divided into daily inspection and special inspection. Daily inspection is to plan, set up items and contents, and implement procedures. Special inspections are performed under specific circumstances and check and inspect specific items or equipment

### **27. Special equipment: AQSIQ published mandatory TSG7005-2015 with implementation date on 1 Jul 2015.**

According to law on safety special equipment and Regulation on safety supervision of special equip-





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ment, AQSIQ developed and published the mandatory safety technical specification

No	Title	Approval date	Implementation date
TSG 7005-2015	Approval Rule on Nondestructive Testing Agencies for Special Equip-	2015-01-07	2015-07-01