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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
CCC	China Compulsory Certification	中国强制认证
CCSA	China Communication Standardization Association	中国通信标准化协会
CESI	China Electronic Standardization Institute	中国电子标准化研究所
CNCA	Certification and Accreditation Administration of China	中国国家认证认可监督管理委员会
CNREC	China National Renewable Energy Center	中国国家可再生能源中心
CNIS	China National Institute of Standardization	中国国家标准研究院
SAC	Standardization Administration of China	国家标准化管理委员会
CMDSA	Center for Medical Device Standardization Administration	医疗器械标准管理中心
TC	Technical Committee for Standard Development	标准化技术委员会
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
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
MIIT	Ministry of Industry and Information Technology of People's Republic of China	中国工业和信息化部
MOT	Ministry of Transport	中国交通运输部
MOR	Ministry of Railway	中国铁道部
CEEIA	China Electrical Equipment Industrial Association	中国电器工业协会
CEC	China Electricity Council	中国电力企业联合会
EPPEI	Electric Power Planning and Engineering Institute	电力规划设计总院
SGCC	State Grid Corporation of China	国家电网
SCLAO	State Council Legislative Affairs Office	国务院法制办公室
CCSA	China Communication Standardization Association	中国通信标准化协会
CESI	China Electronic Standardization Institute	中国电子标准化研究所
CAS	China Association	中国标准化协会
MoH	Ministry of Health	卫生部
MoHURD	Ministry of Housing and Urban-Rural Development	住房与建设部

Contents

1. AQSIQ Regulatory Affairs Department and SAC General Office Organized the Symposium on the Standardization Law Revision

To further deepen standardization system reform and accelerating the revision of the standardization law, AQSIQ Regulatory Affairs Department and SAC General Office recently (the 4th and 5th of December 2014) held a Symposium discussing “Key Issues of the Standardization Law” in Shenzhen. Representatives from standardization and legal affairs branches in Shanghai, Shanxi, Jiangsu, Henan, Guangdong, Chongqing, Shanxi and Shenzhen, as well as scholars from the Beijing University of Aeronautics and Astronautics, the Central China Normal University and the China Jiliang University participated in the discussion. The essence of this symposium is to study the relations between organization standards and consortium standards, legal issues concerning the relations between self-declaration and publication of enterprise standards and the filing of standards. This symposium further clarified legal status of self-declaration of organization standards and enterprise standards, paving ways for the revision of the Standardization Law.

Overview and Mission of 2014 National Standardization:

- 1) Establish an efficient and highly-authorized coordination mechanism;
- 2) Consolidate and simplify mandatory standards;
- 3) Optimize and improve voluntary standards;
- 4) Cultivate and encourage the development of organization standards
- 5) Welcome and activate the development of enterprise standards
- 6) Elevate the level of international standardization activities

SESEC observation and comment: this meeting is focused on Organization standards and the Enterprises Self declaration processes.

Note: In SAC context, there are terms, Consortia standards, Organization standards and enterprises standards. The official definitions of these standards are still need to be clarified.

2. The #9 Meeting of CCSA Third Board Committee was Held in Beijing in Nov 2014

On 24th November, 2014, #9 Meeting of CCSA Third Board Committee was held in Beijing. The Chairman of CCSA Board Mr. WU Hequan chaired the meeting. 36 board members or deputy members attended this meeting. Invited by the Board, Senior Consultant Mr. ZHOU Baoxin and heads of other relevant departments joined the meeting.

In the meeting, attendees discussed the “*Agenda for the Thirteenth Conference of Mobilization (Draft)*”, the “*2014 Annual Work Report (Draft)*”, the “*2014 Fiscal Report (Draft)*” and the “*List of Winners of 2014 Award of Science and Technology*”, among other important issues. The Board put forward comments and suggestions on the above documents. According to these comments and suggestions, participants agreed to revise the “*2014 Annual Report (Draft)*”, and submit it for further discussion on the Thirteenth CCSA General Assembly. The meeting adopted the “*2014 Fiscal Report (Draft)*” and passed the “*List of Winners of 2014 Award of Science and Technology*”.

In addition, after the voting procedure, the Board unanimously agreed on adding Mrs DAI Xiaohui as the Vice Chair of the Board.

3. Thirteenth CCSA General Assembly was held on 24th Dec 2014

On 24th December, 2014, “*Thirteenth CCSA General Assembly*” was held in Beijing. Vice Minister of MIIT Mr. MAO Weiming, Chief Engineer of SAC Mr. YIN Minghan presented and delivered speeches. The Chairman of CCSA Board Mr. WU Hequan, Secretary General Mr. YANG Zemin co-chaired the meeting. Over 240 representatives from relevant departments and bureaus of MIIT and SAC, heads of relevant associations and institutes, observers and members of CCSA, chairs of technical committees, members of Expert Consulting and Technical Management Committees joined the meeting.

More information please see attached China CCSA 13th General Assembly Meeting Report.

4. Chinese Enterprises First Actively Formulate Joint Standards on Cyber Security

Recently, Nine Chinese enterprises, Zhongxin, Huawei, Lenovo, Mi, 360 Safe, Richfit Co., Antiy and Tipfocus, jointly signed a cooperation agreement on Security Standards for Mobile Intelligent Terminals.

This standardization agreement marks the beginning of a new mode and approach for enterprises to contributing to the development of China’s cyber security standards, shifting from government-oriented to enterprises self-formulation. The agreement also provided a creative thinking pattern for the development of China’s cyber security industry.

With mobile internet, mobile terminal and mobile information system being applied to the daily work of government organizations and enterprises, the security issues in mobile information system become more and more serious. The security for mobile information system in China is on a preliminary stage and lacks a unified regulatory system.

Promoted by the Mobile Computing Working Group of *Zhongguancun Industry Alliance of Information Security*, 9 famous Chinese enterprise specializing in mobile intelligent terminals jointly signed the Cooperation Agreement on Security Standards for Mobile Intelligent Terminals. This agreement aims to unify security terms of mobile terminals and have them classified into different levels so as to meet the requirements in establishing China’s Information System. Terminal manufacturers could design, produce and sell products that are in line with the standards. Organizations that are responsible for the construction of information system can choose the products according to the security level. Product testing organizations can follow these standards to test products. The new model and approach seeks to learn from the advanced experience from the world and activate the predominant role of the market in the distribution of resources, as well as to upgrade the industry chain and enhance innovation.

5. China Internet of Things Standardization 2014 Review

China National Fundamental Standardization Working Group on Internet of Things is a standardization organization jointly sponsored by SAC and NDRC in 2011, shouldering the coordination and research on China's Internet of Things standards. Its members include 15 standard committees such as *National Information Technology Standardization Committee (NITS)*, *National Standardization Technical Committee on Telecommunication*, *National Technical Committee on Electric Safety*, etc. and 5 industrial application standardization working groups in agriculture, forestry and environmental protection.

Under the support of SAC and relevant ministries, the structure of the *Fundamental Standardization Working Group of the Internet of Things* became complete. By far, there are **47** national standards on the Internet of Things that are officially approved, and **79** national standards on the Internet of Things are waiting to be publicly approved.

Meantime, the working group launched the planning on system structure of Internet of Things, including the planning of national standardization system on Internet of Things, Internet of Things Standards White Paper, and Internet of Things international standardization research.

After three years of hard work, *National Fundamental Standardization Working Group of the Internet of Things* made significant progress on national standardization process, especially on the reference structure of the Internet of Things, the guideline of standardization and terms, and etc. The national standard *Reference structure of Internet of Things* that was drafted by the General Group, was proposed to ISO/IEC an international standard. It was officially approved by ISO/IEC as a working item proposal in September 2014.

6. National Intelligent Transport System (ITS) Standardization Technical Committee 2014 Annual Meeting was Held in Dec 2014

On December 15th, *National Intelligent Transport System (ITS) Standardization Technical Committee 2014 Annual Meeting* was held in Beijing. Over 100 representatives from Ministry of Transport (MOT), SAC, MIIT and other relevant government departments attended the meeting, ITS technical committee was endorsed by the leaders of SAC for their working results in 2014.

ITS technical committee was set up in Sept. 2003, and the committee members are from MOT, Ministry of Science, Ministry of Construction, MIIT, Ministry of Police. The secretariat of ITS technical committee is located in China Research Institute of Highway, Ministry of Transport.

In the meeting, secretary general Mr. YANG Qi, on behalf of the whole committee, proposed next 3 years work plan.

- Develop the urgently needed standards in ITS facility constructions and operations
 - Standards drafting in intelligent transportation and logistic
 - Standards drafting in driving through E-toll system in the highways and city roads
 - Standards drafting in transportation Information security
- Promote China owned technology and standards in new technologies and ITS areas
 - Standards drafting in cooperative intelligent transportation
 - Standards drafting in vehicle safety auxiliary driving system

7. CESI Will Convene a Training Session on Compulsory Standard “Lithiumion Cells and Batteries Used in Portable Electronic Devices -Safety Requirements”

National Mandatory Standards “Lithium-ion Cells and Batteries Used in Portable Electronic Devices—Safety requirements” (GB 31241-2014) has already been approved and published by AQSIQ and SAC, and it will take effect on 1st August, 2015.

To help R&D developers, quality management personnel as well as testing and certification personnel in the lithium-ion batteries industry for accurate and comprehensive understanding of the technical specifications, CESI, the leading organization in drafting this standard, will launch two separate training sessions in late January in Shenzhen and Shanghai.

The content of the trainings are:

- 1) The background of Standards Drafting
- 2) The major content of technical specifications of GB 31241-2014

The targeted trainees are:

- 1) R&D developers, quality management personnel and testing and certification personnel in the lithium-ion batteries industry
- 2) Quality management personnel and inspection and certification personnel
- 3) Technical personnel of testing organizations and/or certification organizations

8. China First Industry Standard on High Speed Railway Design was published

In December 2014, approved by the *Technology Committee of the National Railway Administration*, the “*High Speed Railway Design Specifications*” was published by the *National Railway Administration*. The specification is China’s first officially published industry standard on high speed Railway design and will take effect on 1st February, 2015.

Relevant person with the *National Railway Administration* stated that, this specification summarized the practical experience in constructions and operations of 250-300km high speed railway in China and it is based on the revision of 2009 “*High Speed Railway Design Specifications (Trial Implementation)*”. Its publication marks the formation of a mature and advanced high speed railway technology system with Chinese characteristics, which will provide normative standards for the development and globalization of China’s high speed railway.

Safety is the key word for the newly published “*High Speed Railway Design Specifications*”. It first clarified that only bullet trains can run on high speed railways. Safety and security function designs are enhanced in subgrades, bridges, tunnels, ballastless tracks, stations, electricity supply and communication signals. The specification emphasizes designs that could elevate the quality of service, such as “people-oriented”, convenient, fast, comfort and comprehensive transportation. The specification also reflects the notion of green construction. Consuming less land, energy, water and construction material has infiltrated into every segment of the construction cycle of high speed railways. The specification is in close agreement with China’s domestic situation, the development

of its economy and society, transportation demand and environment conditions. The document optimized the system design in allocation mechanism of complicated railroad networks and passenger service mechanism in highly intense passenger flow, making the technical specifications more systematic, advanced, mature, economic and reasonable.

After the separation of government functions from Ministries reform in 2013, the newly established *National Railway Administration* followed relevant regulations and set up a new department named Technology Committee of NRA. With the establishment of the Technical Committee of the National Railway Administration, the NRA shouldered the responsibility of organizing the formulation of railroad technical specifications and perfecting technical standardization system.

9. National Standards for Information Security on Industrial Control System Released for the First Time

After the inauguration of the *National Engineering Laboratory for Information Security Technology of Industrial Control System*, the voluntary national standard GB/T30976.1 ~ 2-2014 “*Information Security of Industrial Control System*” (Two Parts) was released in 2nd December, Beijing. This is the first official standard in the field of industrial automation system, filling the vacuum of standards in this area and providing reference for product assessment and acceptance.

The release of the standard series is of great significance to the development of China’s independent industry and standardization system in information security of industrial control system as well as ensuring the stable growth of national economy and the security of national interests. The security of industrial control is a comprehensive area that has a close relationship to numerous industries. In the industrial manufacturing area, it effects metallurgy, electric power, petroleum and petrochemical; in public service area, it is connected with aviation, railways, driveways and subways. It is fair to say that industrial control system is the “nerve center” of the function of key manufacturing facilities and infrastructure. “As an overarching component of national key infrastructure, the security of industrial control system is imperative to the security of national strategy. However, the deepening of the informationization and industrialization brings convoluted challenges to the information security of the industrial control system.”

Statistics have shown that, from October 2012 to the May 2013, there are over 200 reports on attacks aiming at key infrastructure on a global scale, surpassing the total number of the whole year of 2012. According to the Contingent Team of Cyber Security of Industrial Control System of the *Homeland Security Department of the US*, among all these attacks, 111 aimed at the energy sector, accounting for 53%; 32 attacks happened in key manufacturing industries, accounting for 17%. However, the number of total attacks is 198 from October 2011 to September 2012, with 82 in energy sector (41%) and 8 in key manufacturing industries (4%). The trend of these attacks is obviously upward.

In recent years, information security in industrial control system is highly emphasized worldwide. It is reported that developed countries such as the US and Germany invested hugely in the research and development of equipment and technologies concerning cyber security throughout the operation of industrial manufacture. The US also issued “*Guidebook of the Information Security of Industrial Control System*”. In China, more emphasis has been placed on the development of

information security of industrial control system. The “Outline of the Development of National Strategic Emerging Industries in the Twelfth Five-year Plan” and the “Outline of the Development of Standardizations in the Twelfth Five-year Plan” all addressed the importance of cyber security in the development of the next generation of information technology.

In December 2011, the MIIT issued “*Notification on Strengthening Information Security Management of Industrial Control System*”, addressing the enhancement of security protection in major industrial facilities and industrial control systems. In June 2012, the “*State Council: Suggestions on Promoting the Development of Information and the Enhancement of Information Security*” stressed the importance of information security as an important area in industrial control system.

Nowadays, China has formulated **11** national/industrial standards and preliminary established a standard system on security requirements. On top-level design, China has established a set of regulations in assessment and acceptance of technology and management approaches. As for systematic design, DCS, fieldbus and PLC security design have all been established.

The release of the standard series is of great significance to the development of China’s independent industry and standardization system in information security of industrial control system as well as ensuring the stable growth of national economy and the long term security of national interests.

10. E-Car Charging Standards Revision Started; Charging Station Industry may "Re-shuffle"

The kick-off meeting of Electric Vehicle Charging Standard Revision has been held on December 22 2014, led by the *National Automotive Standardization Technical Committee, China Electricity Council* and other units. On July 8 this year, German Chancellor Ms Angela Merkel, and Mr. MIAO Wei, Minister of Chian NIIT, attended the "*Sino-German Electric Vehicle Charging Project*" release event and announced to promote the unification of electric vehicle charging standardization. After that the domestic charging standards revision has been started finally.

The intended revised standards are:

- *GBT 27930-2011 Communication protocols between off-board conductive charger and battery management system for electric vehicle*
- *GB/T20234.1-2011 Connection set for charging—Conductive charging of electric vehicles—Part 1:General requirements*
- *GB/T 20234.2-2011 Connection set for conductive charging of electric vehicles—Part 2:ACcharging coupler*
- *GB/T 20234.3-2011 Connection set for conductive charging of electric vehicles—Part 3:DC charging coupler*
- *GB/T 27930-2011 Communication protocols between off-board conductive charger and battery management system for electric vehicle*

From the charging interface of electric vehicles to the revision of communication protocol, all have been covered by the five criteria.

As the standard number shows, these standards were issued in 2011 when it was the period of incubation for new energy automotive industry. It also means it is inevitable that these standards may have flaws. However, only after three years, China's new energy vehicles showed explosive growth under the policy guidance. From January to November 2014, the total amount of new energy vehicles is 56,700, which increases 5 times compare to the same period of 2013. Among them, the number of pure electric passenger vehicles are 25,800, increasing nearly 7 times, and that of plug-in hybrid vehicles is 13,600, increasing also nearly 7 times.

At the same time, with the opening of new energy vehicles for private consumption, various difficult problems in the charging infrastructure facilities occurred. Recently, the controversy over the issue of charging is serious.

The current national standards of charging interface are the combination of IEC and American SAE standards. And at present, China has submitted the core contents of GB/T20234.3-2011 and GB/T27930-2011 to the corresponding IEC projects of IEC62196-3: 2014, IEC61851-23:2014 and IEC61851-24:2014. In these international standards, China's proposal has become one of the four main solutions including Europe, America and Japan. China's DC charging interface standard has already been the part of an international standard. China standard has reached the international level technically.

11.China RoHS Scheme Supporting Standard SJ/T 11364-2014 Is Expected to Be Implemented

SJ/T 11364-2014 “*Regulations for the Labelling of the Use of Restrained Hazardous Substances on Electronic and Electric Products*” is one of the important supporting standard for China RoHS, and it will officially take effect on 1st January, 2015. Compared to the 2006 edition, following changes are made:

- The name of the standard and its range of application has been changed from “electronic information products” to “electronic and electric products”; “contamination control” has been modified as “the use of restrained hazardous substances”.
- Added reference code of conduct to the logistic operations.
- Deleted GB 18455 “Package Recycling Label” in normative reference documents.
- Added definitions concerning the terms such as “electronic and electric products”, “contamination control” and “logistics”.
- Deleted terms and definitions in 2006 edition, such as: “electronic information products”, “toxic and hazardous substances”, “producer”, “importer” and “packaging substances”.
- Added requirements for digital labelling of electronic and electric products with the display function.
- Deleted requirements for labelling the name of packaging materials.

The above changes in SJ/T 11364-2014 signal that the scope of China’s RoHS (“Regulations for Contamination Control of Electronic Information Products” issued in 2006, and the new edition is expected to be released in 2015), which is under revision for the time being, will also be adjusted: the old edition regulated electronic information products, which by definition only include computers and its peripheral equipment, display equipment, printer, mobile user terminals and telephones; the new regulations, however, **is expected to expand its scope to nearly all electronic and electric products**, that is, “equipment and ancillary products that rely on current or electromagnet to keep them running or aim to produce, transport and/or measure the magnitude of

current or electromagnet, with rated operational voltage less than 1500V (direct current) or 1000V (alternating current)”.

From the changes in China RoHS, it becomes clear that China is making efforts to unify its standards with their international counterparts. These changes will bring about profound impacts on China’s electronics and electric market. Therefore, electronics and electric equipment producers and their suppliers who mainly have their business in China’s market, should keep close attention to the latest trend of China’s RoHS and its supplement standards so as to make timely response to any changes.

12. CQC will Undertakes Two Technical Supporting Projects of National “Twelfth Five-year Plan” in Low Carbon certification and assessment

Recently, China Quality Certification Center (CQC) held a seminar to study the two projects under the MOST “*Twelfth Five-year Plan*” Technology Support Program, which include the “*Research and Demonstration of Core Technologies in Certification and Approval of Low Carbon Products*” and the “*Research and Demonstration of Core Technologies in Carbon Emission Inspection of China’s Electric Power Industry in the International Context*”.

These two programs are sub-projects under the national “Twelfth Five-year Plan” Technology Support Program “*Research and Demonstration of Core Technologies in Certification and Approval of Low Carbon Products Carbon Emission Inspection of China’s Key Industries in the International Context*”. During the conference, the research group clarified technical approach, action plans, task distributions, schedule management, expected results and innovations. According to the suggestions from experts, the research group made arrangements of upcoming operations.

The “*Research and Demonstration of Core Technologies in Certification and Approval of Low Carbon Products*” choose some of China’s high emission products (for example, iron and steel, chemical products, building materials) and conduct comparative study on carbon emission in full life cycle and essential life cycle, analyzing characteristics, contribution rate, data distribution and quantitative cost and profits of carbon emission in each life cycle. With the principle and approach of life cycle assessment theory in China’s low carbon product certification, the project will seek to establish the national recognition system for certification of low carbon products that is in accordance with both China’s distinct situation and international practice.

The “*Research and Demonstration of Core Technologies in Carbon Emission Inspection of China’s Electric Power Industry in the International Context*” proposes assessment index, technical approach and inspection mode for emission reduction in China’s electric power industry. The project also seeks to formulate guidelines for emission reduction inspections in energy industry and choose electric power companies different regions to experiment these inspections.

13. Notification on National Architecture Water Conservation Products Standardization Technical Committee Reconstitution

According to requirements in the “*Administrative Regulation of the National Architecture Water Conservation Products Standardization Technical Committee*”(No. 3 [2009] General Office of SAC), the first term of the *National Architecture Water Conservation Products Standardization Technical Committee (SAC/TC 453)* has been fulfilled. Therefore and the reconstitution is duly launched. In the principle of involving the widest possible scope of stakeholders, the nomination of new committee members are open to public recommendation.

1) Scope for Selection

The major responsibility of SAC/TC453 is to formulate national standards for the application of water supply pipelines and water-saving equipments (not include hygienic ceramic products) in buildings. Now the members of committee are open to professional personnel nationwide in the area of administrative departments, industrial organizations, higher education institutes, research institutes, testing organizations and manufacturing enterprises.

2) Eligibility

- Undertaking manufacturing, research, teaching, testing and administrative affairs in the area of his/her expertise, with high level of theoretical and practical experience;
- With Middle-level (included) or above professional technical title;
- Being familiar to and enthusiastic about standardizations, with active involvement in standardization process and commitment to obligations as a committee member;
- With good writing skills and proficiency in foreign languages;
- Being an incumbent staff of a legally registered organization in China's territory, and consented and recommended by the organization he/she works for.

According to relevant regulations, the secretariat of the technical committee will assess the eligibility of applicants. After a comprehensive evaluation of the applicants and his/her organization of recommendation, the secretariat will finalize the list of committee members and plan for the establishment of the Second National Architecture Water Conservation Products Standardization Technical Committee, and report to the competent department for approval.

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14. Four National Standards for Water Conservation Passed Deliberation Process

Recently, the National Industrial Water Conservation Standardization Technical Committee organized a deliberation meeting on four national standards: “Water-saving Enterprises: Ethylene industry”, “The 17th Part of Water Usage Quota: Accumulated Bauxite”, “The 18th Part of Water Usage Quota: Lead Smelting” and “The 19th Part of Water Usage Quota: Copper Smelting” in Beijing.

Experts from the National Industrial Water Conservation Standardization Technical Committee, industry associations and enterprises, along with 40 members and representatives of standards drafting committee participated in the meeting. Deputy Secretary General of the National Industrial Water Conservation Standardization Technical Committee Bai Xue chaired the deliberation meeting. The Deputy Director of the National Industrial Water Conservation Standardization Technical Committee served as the head of the deliberation group. The drafting group made a presentation on the background, process and major technical content in these standards to the

experts. After enquiry and discussion, experts raised detailed suggestions for revision. Water usage quota and water-saving enterprises are two important standards in China's water conservation standards, playing important roles in China's water usage permission, water usage plan and the establishment of water-saving enterprises. The four newly revised standards will further expand the type of industries and products, which is significant to the regulation of water-saving process in petroleum and chemical industry as well as nonferrous metal industry, the promotion of water usage efficiency and management and the establishment of a water-saving society.

15. Standards for Fuel Consumption of Internal-combustion Engines Are Expected to Be Published

In December, 2014, the “*Seminar on Energy Consumption and Emission Reduction and Sustainable Development of Internal-combustion Engine*”, organized by the China Industry Association of Internal-combustion Engines, released the information that the “*Fuel Consumption Rate Assessment and Measurement Approach of Internal-combustion Engines*” has proceeded into the review and deliberation phase, and is expected to be published soon.

“*Fuel Consumption Rate Assessment and Measurement Approach of Internal-combustion Engines*” set the limited value, recommended value and ideal value of the fuel consumption rate of Internal-combustion engines, which will solve the problem that no available legal standard for the fuel consumption of Internal-combustion engines in China. The standard will further stimulate technological development and product transformation as well as the upgrade in China's Internal-combustion engine industry.

Energy consumption and emission reduction have become the trend of today. The creation of fuel consumption standards of Internal-combustion engines is a significant measure to the improvement of environment quality and the reduction of carbon dioxide emission. Meantime, the standards will contribute to the alleviation China's increasing reliance on foreign oil import. In five consecutive years, China has imported over 50% of its oil from foreign countries. For the purpose of securing energy safety, China must formulate standards controlling fuel consumption of Internal-combustion engines.

In 2011, the “*Twelfth Five-year Plan of China's Internal-combustion Industry*” that was jointly formulated by the Department of Equipment MIIT and China's Industry Association of Internal-combustion Engines stipulated that, the reduction of fuel consumption is the core technical index and the prior business index for internal-combustion products. In 2013, the “*Suggestions on Further Reduction of Energy consumption and Emission in Internal-combustion Industry*” issued by the General Office of the State Department addressed the importance of improving and implement the approval system for eco-friendly automobiles and engines as well as standards for automobile emissions.

According to some practitioners in the industry, in order to accelerate the process of the reduction of energy consumption and emission of internal-combustion products, the government should establish and improve regulations and standardization system and increase the proportion of combustion engines that have low energy consumption and emission. Meantime, relevant government agencies should increase investment and support to the research and development of low energy consumption and emission combustion engines in enterprises, which in turn, will

enhance innovative capacity of these enterprises and motivate them to make significant progress in core technologies of internal-combustion engines. As a result, Chinese enterprises in the industry will be more competitive worldwide.

Turbocharging: a bright future ahead. Traditional internal-combustion automobiles are the mainstream of China’s automobile market. Energy industry should therefore endeavors to reduce the energy consumption and emission of traditional automobiles. The turbocharging technology can increase the efficiency of internal-combustion engine and it should be duly emphasized.

16. Medical Ultrasonic Devices Sub-Committee of National Medical Electrical Devices Standardization Technical Committee is under Reconstitution and is Calling for Committee Members

The Fourth *Medical Ultrasonic Devices Technical Committee of the National Medical Electrical Devices Standardization Technical Committee* (SAC/TC10/SC2) Mirroring IEC TC 62 B has fulfilled its term and a committee reconstitution is duly launched. Under the principle of involving the widest possible stakeholders, the nomination of the new committee members is open to public recommendation. Relevant notices are as follows:

1) Scope for Selection

The major responsibility of The Fourth Devices Ultrasonic Equipment Technical Committee of the National Medical Electrical Devices Standardization Technical Committee (SAC/TC10/SC2) is to formulate national standards for the application of medical ultrasonic devices. Now the members of committee are open to professional personnel nationwide in the area of administrative departments, industrial organizations, higher education institutes, research institutes, testing organizations and manufacturing enterprises.

2) Eligibility

- Undertaking management, manufacturing, research, teaching and testing in the area of medical ultrasonic devices;
- Currently employed staff with Middle-level (included) or above professional technical title and at least five years’ work experience;
- With good writing skills and proficiency in foreign languages;
- Being familiar to and enthusiastic about standardizations, with active involvement in standardization process and commitment to obligations as a committee member;
- Recommended by the organization where he/she works for.

3) Application Procedure

- Applicants must be recommended by organizations or the organization that he/she works for. The candidate should fill the “Registration Form of Committee Members of National Standardization Technical Committees” (see the attachment). The organization of recommendation should check the content of the form, write recommendation and affix official seal in required section. The organization of recommendation holds the responsibility of the authenticity of the information provided in the form.
- The applicant should mail three hard copies (include profile picture) and one additional profile picture (for the certificate of committee members) to the secretariat of the Medical

Ultrasonic Devices Technical Committee, and email the soft copy (in Word) to the email address of the secretariat.

- The secretariat will organize evaluation board to assess all the applicants. After comprehensive assessment of the organization of recommendation and personal merit of the applicant, the list of committee member will be finalized and report to SAC for approval.

Contact details:

Secretariat of the Medical Ultrasonic Devices Technical Committee of the National Medical Electrical Devices Standardization Technical Committee

Organization: Hubei Medical Devices Quality Supervision and Inspection Center

Address: G1, No. 666 Gaoxindadao Ave., Wuhan Hubei, China, 430075

Contact person: Mr. JIANG Shilin

Tel: 027-86779366

Email : 13667115511@163.com

17. Compulsory Standard for Children's Toothbrushes Implemented on 1st December

Recently, national mandatory standard GB30002-2013 “*Children's Toothbrush*” was approved and issued by AQSIQ and SAC. New requirements are included in this standard, providing more reference and protection for customers in choosing children's toothbrushes. The standard took effect in 1st December, 2014.

The quality of infant products received continuing attention from parents. Toothbrush, as an indispensable equipment for oral cavity cleaning, becomes the major concern of parents. However, the quality of children's toothbrush can be varied and no unified standard existed in guiding the manufacture. Before the release of the national mandatory standard on “*Children's Toothbrush*”, children's toothbrush shared the same standard as that in adults' toothbrush. Because children's oral mucosa and teeth are more delicate, the safety of children's toothbrush could not be guaranteed.

The released national mandatory standard detailed specifications on hygienic requirements, safety requirements, size, the strength of the brush and decorations.

18. Symposium on “*Improving China's Energy Efficiency Labelling System and the Enhancing the Adaptability Foundations of Energy Efficiency*” Was Held in Beijing

SAC convened a symposium on “*Improving China's Energy Efficiency Labelling System and Enhancing the Adaptability Foundations of Energy Efficiency*” from 22 to 23 December, 2014 in Beijing. This conference aims to promote and spread the outcome of an Asian Development Bank (ADB) funded technical assistance project “*Improving China's Energy Efficiency Labelling System and Spreading Energy-saving Products*”, discuss approaches to improving the system of China's adaptability foundations of energy efficiency, plan the publicity of China's energy efficiency labelling and amplify the impact and effectiveness of energy efficiency labelling.

Senior officials from AQSIQ, National Energy Conservation Center, ADB and China Customers' Association presented and delivered speeches. Around 90 delegates from China Standardization Research Institute, China Standard Certification Co. Ltd., UNDP, CLASP, Top10 China, China

Refrigerator and Air-conditioning Industry Association, Energy Research Institute of NDRC, Beijing Energy Conservation and Environmental Protection Center, China Quality Certification Center, China Household Electric Appliance Research Institute, Gome, China Quality Daily and other certification institutes and producers participated in the discussion.

The symposium was hosted by the Resources and Environment Department of the China Standardization Research Institute. The first agenda is the introduction of the outcome of the Asian Development Bank (ADB) funded technical assistance project “Improving China’s Energy Efficiency Labelling System and Spreading Energy-saving Products”. It is reported that this project was launched in 2012. With the help of foreign experts, this project seeks to put forward policy and technical suggestions on improving China Energy Efficiency Labelling Assessment Methods, establish a practicable and comprehensive evaluation system of energy efficiency labelling, recognize and eliminate hindrances to legal system, organizational management, implementation and supervision, technical ability and information sharing and other factors preventing the establishment of China’s energy efficiency labelling system. In result, this project will foster institutional improvement and contribute to the completion of China’s energy conservation objective in the “Twelfth Five-year Plan”.

AQSIQ was the executive body of this project. China Standardization Research Institution was responsible for implementation, including organizing sample tests, technical training and international conferences. China Standard Certification Co. Ltd. provided consulting service for this project and was responsible for finalizing and submitting the report on policy and technical suggestions of improving China’s energy efficiency labelling system.

Delegates listened the presentation of the outcome of the above program and deliberated on Chinese and English editions of the final report. They summarized and shared successful international practice on energy efficiency projects, which include the Energy Guide and the Energy Star of the US, Energy Efficiency Labelling Project of Australia and EU as well as energy conservation projects in Japan.

The revision of regulations on energy efficiency labelling management is in line with the requirements in the “2014-2015 Action Plan on Energy Conservation and Low Carbon Development”. It is an important boost for the sustainable development of energy efficiency labelling system.

This symposium drew a conclusion of the ADB sponsored project and was conducive to the spread and transformation of the achievements. From institutional and technical aspects, the symposium charted out the direction for innovative design of the framework of energy efficiency labelling. After applying comments and suggestions made in the symposium to the course of actual work, the adaptability of China’s energy efficiency labelling is expected to grow.

19. Call for Comments on SAC’s Plan of Establishing the Energy Saving Analysis and Assessment Technical Committee Affiliated to the National Energy Foundation and Management Standardization Technical Committee



SAC issued a public notification on the plan of establishing an *Energy Saving Analysis and Assessment Technical Committee* Affiliated to the *National Energy Foundation and Management Standardization Technical Committee*. Relevant parties can comment or suggest on this plan and report their comments or suggestions to SAC in the form of written documents by 9th January, 2015.

Name of the Planned Technical Committee	Energy Saving Analysis and Assessment Technical Committee Affiliated to the National Energy Foundation and Management Standardization Technical Committee
International Counterpart	ISO/TC257
Scope	Energy Saving Analysis and Assessment
Secretariat	China National Institute of Standardization
Responsible Organization	SAC
Sponsoring Organization	China National Institute of Standardization
SAC Liaison	The First Department of Industrial Standards

20. Standard for Energy Efficiency of Smoke Extractors Is Expected to Be Implemented in 2015

Recently, NDRC and the AQSIQ jointly formulated the “Implementation Regulations for Energy Efficiency of Smoke Extractors”, the “Implementation Regulations for Energy Efficiency of Heat Pump Water heaters” and the “Implementation Regulations for Energy Efficiency of Household Electromagnetic Stoves (Revised)”. New regulations will be implemented in 1st January, 2015. This standard makes smoker extractors another type of household appliance that carries energy efficiency labels, following refrigerators, air conditioners, televisions, etc.

21. AQSIQ Cancelled Administrative Approval for Dilapidated Electric Machineries, Facilitating International Trading

In accordance with the requirements “institutional decentralization and streamline administrative approval” from the State Council, AQSIQ requested to cancel administrative approval for imported dilapidated electric machineries in the new round of adjustment of administrative approval in 2014. In 23rd October, 2014, the State Council issued the “Decision on Cancelling and Adjusting a Series of Projects Subject to Administrative Approval” (No. 50 [2014], the State Department), among which the thirtieth clause cancelled the filing of dilapidated electric machineries. As required by the State Department, AQSIQ issued the No. 145 Announcement, adjusting inspection for imported dilapidated electric machineries and cancelling relevant administrative approval.

Since 2002, AQSIQ has gradually established an inspection system on imported dilapidated electric machineries, including “filing, preloading inspection, inspection on arrival and follow-up inspection”.

From 2009 to 2013, the total amount of dilapidated electric machinery reached 36.797 billion USD. The sum of goods in preloading inspection is 14.857 billion USD. Unqualified goods in preloading inspection reaches 12.038 billion USD (accounted for 81.03%), keeping latent security risks out of the country. The filing approval of imported dilapidated electric machineries is a prior approval. Cancelling filing approval for imported dilapidated electric machineries does not mean the

relaxation of security management of dilapidated electric machineries but strengthen inspections afterwards. To ensure the quality of imported dilapidated electric machineries, promoting adjustment, upgrading and optimization of industry structure and enhance management of imported dilapidated electric machineries, AQSIQ launched the revision to the Clause 2, Article 22 and Clause 3, Article 51 in the “Enforcement Regulations on the Inspection of Imported and Exported Goods of the People’s Republic of China”, and released “AQSIQ Announcement of the Adjustment of Testing and Inspection on Imported Dilapidated Electric Machineries”. The announcement notified the administrative counterparts to cancel filing approval for imported dilapidated electric machineries, making it clear that the inspection on these goods start from the preload inspection. In specific, it includes three parts: preload inspection, port inspection and inspection on arrival. Meantime, for the convenience of buyers and sellers, AQSIQ developed an “Information Platform for Quality Management of Imported Dilapidated Electric Machineries”.

22. AQSIQ issued the “Administrative Regulations on Products Random Checking and Supervision”

The 2010 edition of the “*Administrative Regulations on Products Random Checking and Supervision (Trial)*” has played an important role in formulating, revising and assessing regulations on spot checks and quality supervision. In 2014, the Quality Supervision Department of AQSIQ organized revision on the released regulations. After research and discussion as well as soliciting advice from the public, the Quality Supervision Department of AQSIQ revised and improved the “*Administrative Regulations on Spot Checks and Supervision of Product Quality (Trial)*”. The “*Administrative Regulations on Spot Checks and Supervision of Product Quality*” is now officially issued and relevant departments are obliged to abide by newly edition of the regulation.

23. The Opening Ceremony of the Big Data Standardization Working Group of the National Information Technology Standardization Committee (NITS) Was Held In Beijing

Recently, the opening ceremony of the “Big Data Standardization Working Group of NITS” (below referred to as “the working group”) was held in Beijing. The Director & Commissioner Xiao Hua from the Department of Policies and Regulations and the Standardization Committee of NITS, the Director General Chen Wei from the Department of Software Service, Director Dai Hong from the Second Department of Industrial Standards of SAC, Secretary General Lin Ning from the National Information Technology Standardization Committee, Vice President of Shanghai Jiaotong University and Academician Mei Hong, along with relevant senior officials from the Communication Maintenance Department, Policies and Regulations Department, Technology Department, Communication Development Department and Telecommunication Administration Department of MIIT, participated in the ceremony. Secretary General Lin Ning announced the document approved by the NITS on the establishment of the “Big Data Standardization Working Group”.

The Secretariat of the Big Data Working Group bases in the China Electronic Standardization Institute (CESI), marking a new era for China’s standardization process in the Big Data. Around 120 representatives from over 100 organizations, which encompass political department, academic

institutions and private enterprises (including Huawei, Zhongxin, Jindong, Asiainfo), National Information Center, Information Center of the Ministry of Forestry, Information Center of the Ministry of Agriculture and the China Academy of Press and Publication presented.

24.20 E-business related Standards such as "Electronic Invoice Information Specification" has been Approved

To speed up the construction of e-business standard system, and comprehensively promote the standardization of e-commerce, SAC issued “*Electronic Invoice Information Specification*” and other 19 national standards project (see Attachment) on December 23th, 2014.

Chinese Website: http://www.sac.gov.cn/szhywb/sytz/201412/t20141223_176463.htm

Please check attachment for English version.

25. The Establishment of the National Pilot Center for Manufacture, Production and Research on Mechanical Safety Standardization

The opening ceremony of the National Pilot Center for Manufacture, Production and Research on Mechanical Safety Standardization was held in 14th December in the Nanjing University of Science and Technology. The pilot Center is co-established by SAC/TC208, the Nanjing University of Science and Technology and Omron (China). The mission of this pilot center is to introduce technologies, products and standards to universities, classes and through textbooks by demonstrating actual application of mechanic safety standards and pioneering new approaches of implementing mechanic safety standards, which will promote students’ awareness and cultivating talents with theoretical knowledge of mechanic safety and practical experience. The pilot center has installed a mechanic safety technologies laboratory that covers common safety devices and practical examples of safety technologies, such as the emergency stop device, the protection device, the interlock device, the pressure sensitive protection device, the safety control technology and safety interlock technology, aiming to spread the advanced mechanic safety concept and safety design methods.

26. Call for Comments on the Change of Secretariat of the Technical Committee of Machine Tool Electric Apparatus of the National Metal-cutting Machine Tool Standardization Technical Committee

The initial secretariat of the Technical Committee of Machine Tool Electric Apparatus of the National Metal-cutting Machine Tool Standardization Technical Committee (TC22/SC12) is Chengdu Machine Tool Electric Apparatus Research Institute. However, due to changes in the structure and personnel, the organization is no longer suitable for hosting the secretariat of the Technical Committee of Machine Tool Electric Apparatus. After the requested by Chengdu Machine Tool Electric Apparatus Research Institute and consented by National Metal-cutting Machine Tool Standardization Technical Committee, the hosting body of the secretariat for the Technical Committee of Machine Tool Electric Apparatus is planned to be delegated to Suzhou Electrical Science Research Institute Co., Ltd.



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Now the adjustment is subject to public comments and suggestions. Relevant organizations may submit their comment or suggestions via email to SAC. The Deadline for this call for comment is 9th January, 2015