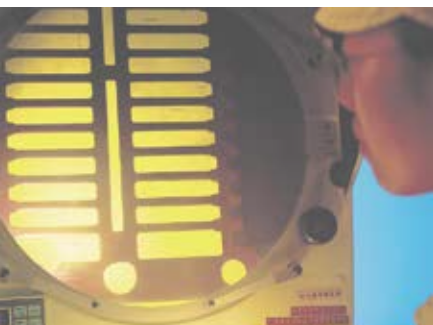


2013

BSMI

Annual Report of BSMI



Press of BSMI
May 2014



Bureau of Standards,
Metrology and Inspection,
Ministry of Economic Affairs

經濟部標準檢驗局



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Bureau of Standards, Metrology and Inspection

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Introduction

As a bureau taking charge of standards, metrology and inspection services, BSMI plans and promotes policies of standards, inspection and certification. This year, a number of specific administration outcomes have been achieved and anticipated goals have been reached as well.

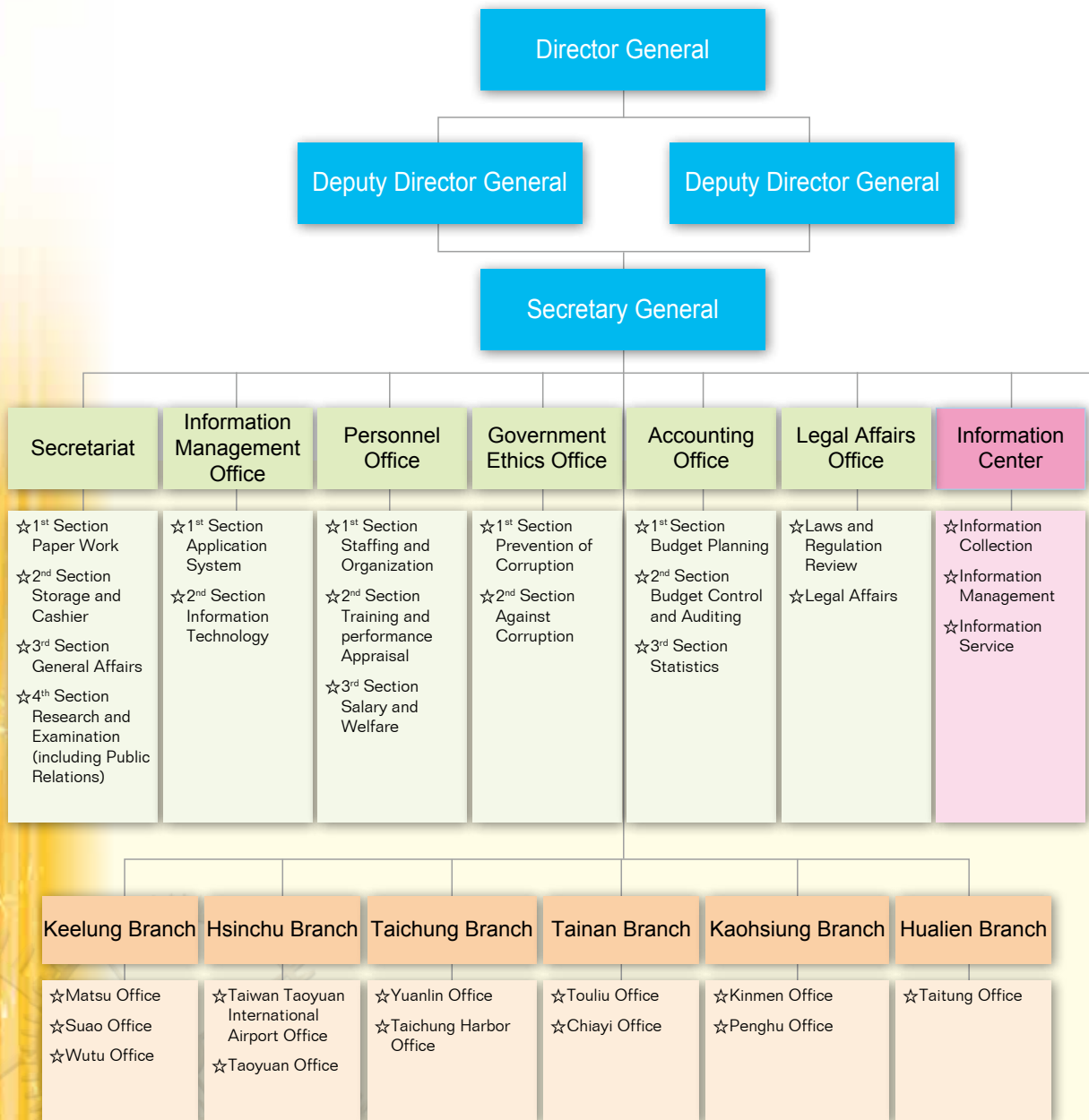
374 national standards have been enacted and revised, and harmonization of international standards has reached more than 90%. BSMI also actively participates in events of international standardization, conforms to international standards and improve global competitive advantage of our industries. To ensure the accuracy of domestic measurement quality, National Measurement Laboratory has established 136 measurement standards systems in 17 fields, and has registered 433 items in the International Bureau of Weights and Measures (BIPM) database of metrological calibration and measurement, providing our industries with not only the needs of calibration traceability and technology R&D but also great benefits in improving measurement techniques.

To ensure commodity safety, BSMI has conducted 292 joint audits on abnormal import goods and seized 60,153 pieces of mislabeled or misbranded commodities, and has performed market inspection on 51,049 items and sample tests on 2,469 items in order to prevent unsafe consumer goods from entering the market. Moreover, 3,160 violations have been exposed by volunteers of monitoring consumer goods. To safeguard fair market transaction, BSMI performs statutory verification and inspection of measuring instruments from time to time, and conducts market inspection on scales and gas stations in coordination with consumer protection units of counties and city governments in order to effectively protect the rights and interests of consumers.

Over the years, BSMI has actively established sound national standards system, enhanced national measurement technology level, and constructed the certification environment conforming to international standards. In addition, BSMI has carried out research of advanced inspection technology for the emerging industry and new energy, strengthened commodity inspection and certification as well as prevented unsafe consumer goods. Looking into the coming year, BSMI will continue to promote policies complying with the needs of the industry and the people's livelihood in order to improve overall industry competitiveness of our country and protect the rights and interests of consumers.

I. Organization, Budgets, and Manpower

1. Organization Chart



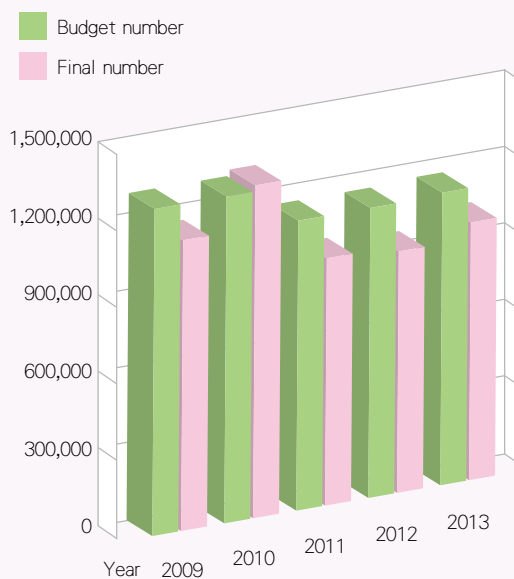


2. Distribution Chart of Budgets

> Annual income budget

Units : NTD1,000

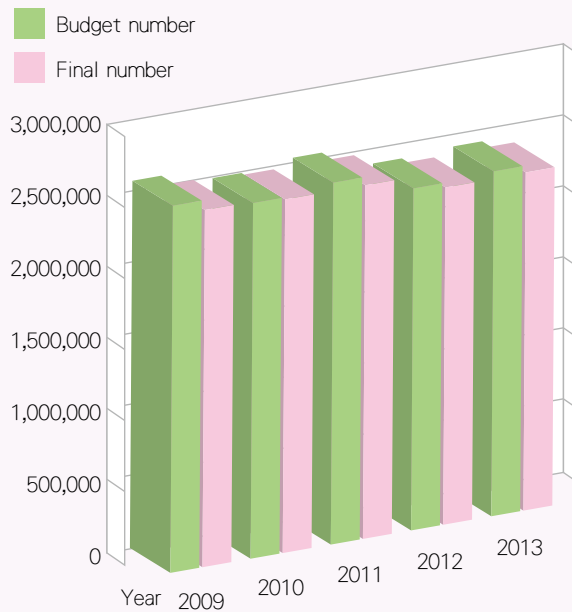
Year	Budget number	Final number
2009	1,225,365	1,088,829
2010	1,224,019	1,246,833
2011	1,086,104	926,316
2012	1,086,104	904,230
2013	1,095,550	965,157



› Annual expenditure budget

Units : NTD1,000

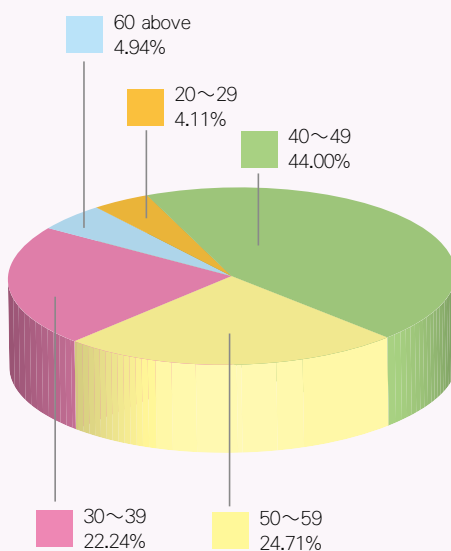
Year	Budget number	Final number
2009	2,505,610	2,472,222
2010	2,461,478	2,447,496
2011	2,504,710	2,467,092
2012	2,366,874	2,334,448
2013	2,387,186	2,340,506



3. Distribution Chart of Manpower

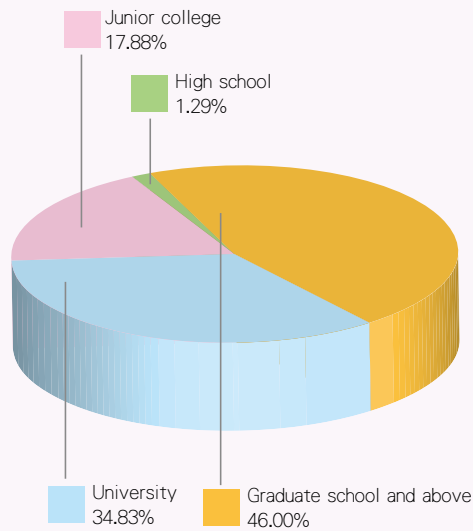
> Personnel age distribution

Age	Persons	%
20~29	35	4.11
30~39	189	22.24
40~49	374	44.00
50~59	210	24.71
60 above	42	4.94
Total	850	100.00



Personnel education distribution

Educational level	Persons	%
Graduate school and above	391	46.00
University	296	34.83
Junior college	152	17.88
High school	11	1.29
Total	850	100.00



II. Service Overview

1. Standards

(1) Service report

In response to national policy, social development and industrial needs as well as considering the rights and interests of consumers, this year BSMI enacted and revised 374 national standards for a wide variety of fields, including general consumer goods, automatic identification technology, data capture technology, guidelines for auditing management system, etc.

Transnational economic activities have urgent needs of common international standards for lowering trade costs and reducing technical trade barriers of each nation. In view of this, BSMI planned a series of promotional activities in cooperation with the theme “International Standards Ensure Positive Change” of the 2013 World Standards Day. For many years, BSMI continued promoting standardization activities and, as a result, standardized systems gradually gained attention, especially from some major businesses who understood that standardization could not only effectively reduce worldwide communication and cooperation barriers as well as simplify industrial processes but also avoid working behind closed doors and waste of resources.

In order to enhance CNS Mark promotion and improve the public awareness of

standardization, BSMI promulgated additional 11 products which were admissible for the application of CNS Mark, and expanded the use scope of CNS Mark products in order to make CNS Mark the foundation of quality assurance of domestic product certification. In addition, the themed event, “Good Quality Products — CNS Mark Experts Cultivation Plan,” was held on the Internet, expecting to promote CNS Mark through network media and communities.



(2) Service results

A. This year BSMI developed and revised 374 national standards and withdrew 67 inappropriate standards in cooperation with existing policies as well as industrial innovation and development. As of the end of this year, there were 14,651 national standards in existence.

B. Research and analysis of international standards, and harmonized of national standards

- ◆ In order to enhance international competitiveness of domestic industries and participation in international standardization activities, BSMI subsidized a number of companies and organizations to attend international standardization activities organized by CIE, ISO/TC 94, IEC/TC 88/MT 1 Maintenance Team, ISO/IEC SC 31 and HL7 in accordance with “Directions Governing Subsidy to the Association impelling the Standardization Activity” for in-depth discussions of international standards in relation to lighting, functional textiles, wind power generation, RFID and the Agreement of Health Level Seven (HL7).
- ◆ In order to lay a good foundation for national development, BSMI harmonized national and international standards, and completed 19 national standards drafts, including intelligent industry automation, smart grid, Chinese character encoding, data processing, etc. In addition, BSMI wrote 4 research reports regarding industrial technology and international standards in relevant fields so that related industries could understand the development trends and industry dynamics of international standards.

C. Enhancement of CNS Mark management and promotion

- ◆ Announced the addition of 11 product items, including CNS 4234-1 “Stainless steel bolts, screws and studs” which were admissible for the application of CNS Mark, and expanded the use scope of CNS Mark products in order to make CNS Mark the assurance foundation of quality assurance of domestic product certification.
- ◆ This year, 5 events of industry association's CNS Mark advocacy were

sponsored by the board meetings, member clubs or general assembly of industry associations to encourage manufacturers applying for CNS Mark, hoping to enhance people's trust and improve product competitiveness.

D. Important activities and advocacy

- ◆ In response to annual activities of the “World Standards Day” held on October 14, BSMI organized a series of events, including the “World Standards Day Expert Forum” and the “14th National Standardization Awards Presentation Ceremony and 2013 Celebration of World Standards Day” to promote the importance of standardization in order to improve public awareness of standardization, and to present the achievements of government efforts in promoting standardization.
- ◆ Held the “14th National Standardization Awards Presentation Ceremony” to issue 4 awards, including The Most Visionary Contributions Category Award, The Groups Category Award, Companies Selected Category Award and The Best Achievements Category Award, and to encourage standardization of product specifications and sound standardization system based on the spindle of “Standard Piloting, Corporate Benchmarking; Standards – the Power to Change the World” in the hope of enhancing significantly the administrative efficiency of government units as well as the production and service quality of business community.



▲2013 National Standardization Award

2. Metrology

(1) Service report

Technology products are closely linked with human lives, resulting in constant pursuit of tiny and delicate technological components. More advanced precision requirements are demanded on various 3C products, new energy research, biotechnology industry and environmental protection industry, which are related to human health and safety. Therefore, measuring standards and inspection technology play a decisive role, not only ensuring the quality foundation but also representing the national competitiveness.

As people's awareness of environment and health is soaring together with the advancement of measuring instruments, BSMI not only actively established the measurement technology and standards pertinent to people's livelihood, but also completed a number of newly-established and expanded measurement techniques and standards technology. Moreover, BSMI completed the processes of amendment and promulgation of regulations and norms for 7 weights and measures techniques of the “Regulations Governing Type Approval of Measuring Instruments,” which established an impeccable measurement system for seeking the sustainable development of the society.

With the enhancement of technology development and consumer awareness, whether they are instruments of people's daily consumption, such as scales, the 3 household meters (water, electric and gas meters) or taxi meters, or they are precision scientific instruments used by hospitals or laboratories, their measurement accuracy all depend on the establishment and maintenance of the 3 laboratories, including the National Measurement Laboratory, the National Time and Frequency Standard Laboratory and the National Radiation Standard Laboratory. The subsistence of the 3 laboratories can provide not only the industry traceability internally but also the participation in international activities and comparisons externally. Furthermore, they can strictly investigate and seize illegal activities by following their accuracy in order to safeguard the fair trade environment and protect the rights and interests of consumers.

(2) Service results

A. Enhancing national measurement standards, developing measurement technologies and actively participating in international weights and measures organizations

- ◆ Established the new “Low Pressure Gas Flow Calibration System (pressure, volume, temperature and time calibrator)” to provide measured flow calibration of hydrogen and alkane gases demanded by domestic semiconductor, textile and chemical manufacturers; established the new “Low-carbon Energy and Gases Concentration Measurement System” to provide traceability of standard gas concentration certification and measurement for the purpose of calibration; expanded “Thin Film Measurement System (porous thin film calibration)” by using the X-ray reflectometer to measure pore size of thin film in order to fulfill the test parameters required by thin film process improvement and efficiency enhancement of the semiconductor industry and energy industry.
- ◆ Continued participating in international key comparisons and registered in key comparison database of the International Bureau of Weights and Measures (BIPM) so that the calibration reports issued by R.O.C could be internationally accepted so as to conform to international standards. Until the end of this year, the registration results are shown in the following table:

		Total	National Measurement Laboratory	National Radiation Standard Laboratory	National Time and Frequency Standard Laboratory
Registered in BIPM KCDB	Key and supplementary database standards activities participated in this year (Appendix B)	17 items	8 items	4 items	5 items
	Items registered in CMC BIPM KCDB (Appendix C)	433 CMCs in 105 systems	336 CMCs in 89 systems	89 CMCs in 11 systems	8 CMCs in 5 systems

B. Organizing measurement technology promotion activities

- ◆ Held the “2013 World Metrology Day Forum” and invited scholars and experts in the light of the theme, “Measurement in Daily Life,” of the World Metrology Day to discuss



all aspects of measurement in daily life, chemical measurement for people's livelihood, medical applications of ionizing radiation and time standards.

- ◆ International Accreditation Forum (IAF) and International Laboratory Accreditation Cooperation (ILAC) jointly established the day of June 9th as the World Accreditation Day. In cooperation with the themed event “Accreditation: Facilitating World Trade” of the World Accreditation Day this year, BSMI organized the “Accreditation: Facilitating World Trade Seminar” to help materialize the Memorandum of Cooperation signed by Taiwan Accreditation Foundation (TAF), Chinese National Federation of Industries and General Chamber of Commerce of the Republic of China so as to move towards the goal of “Introduction of certification results, opening international market.”
- ◆ Organized the “APMP 2013 Symposium” to respond to the theme “Measurement in daily life” of the World Metrology Day for exploring the latest and most important environmental issues, including global warming, natural disasters (nature disasters), chemical measurement relating to energy and environment, and medical ionizing radiation measurement.



▲APMP 2013 Symposium

C. Conducting verification and inspections on legal measurements for fair trade

- ◆ Completed the comparison program of wheel inspection equipment of taxi meter to ensure measurement accuracy and to improve credibility of BSMI's laboratories.

- ◆ Announced inspection results of taxi meters, oiling machines and weighing instruments. In addition to promoting services, BSMI encouraged the public to report inaccurate measuring instruments. Meanwhile BSMI handled 335 public reported cases nationwide.
- ◆ Accepted 717 public applications nationwide for dispute settlement of the utility meters (water, electric and gas meters) in 2013 to help settle disputes among consumers, public service agencies and the industries.

D. Enhancing inspections of measuring instruments to maintain the order of fair market trading

- ◆ Conducted random inspections on weighing instruments at the tourist attractions, traditional markets and hypermarkets in coordination with important holidays and festivals.
- ◆ Conducted random inspections on household gas meters which were used for 3 to 5 years at 7 gas companies located in Taipei City and New Taipei City, and performed inspections on weighing instruments of bottled LPG at the gas dispensing plant.
- ◆ Performed metrology market monitoring services at sales sites and measuring instrument channels in administrative districts to eliminate sales of illegal apparatus and to protect the rights and interests of legal businesses and the public. A total of 12,973 measuring instruments were inspected with 8 failed cases and 12,965 passed cases.

3. Commodity Inspection, Testing and Certification

(1) Service report

BSMI expanded and revised items and scope of the commodities subject to inspections year after year in order to safeguard people's use of safety products, and to prevent toxic chemicals from harming people's health. In addition to continuing to strengthen personnel training and the use of limited funds to complete duties, BSMI enhanced the use of private inspection resources as well as made testing services of electrical and electronic products (283 items) available for the purpose of providing

the industry with a more convenient testing environment.

In order to improve testing service quality of designated laboratories and carry out the management of designated laboratories and certification agencies, BSMI actively handles the follow-up evaluation and tracing works to improve the strictness of business execution of the commodity certification agency, and ensures their operational effectiveness. BSMI this year conducted the “2013 Cross-Strait Electromagnetic-Compatibility Proficiency Test Plan” to minimize trade barriers by pushing through the cooperation between Taiwan laboratory and mainland China 3C designated laboratory, and to further promote the cross-strait checking data mechanism to be mutually acceptable.

To pursue after international development trends and promote “Quality Economy Network Plan” and “i-Taiwan 12 Projects” in coordination with the government, BSMI this year opened up and conducted certifications of the ISO 28000 Supply Chain Security Management Systems in order to not only enhance supply chain security management standard of domestic businesses but also assist implementation of certification and management of domestic authorized economic operators (AEO) so as to promote our trade activities to be quickly in line with the international standards and thereby strengthen global competitiveness of our businesses. BSMI mainly focuses on industry certifications to develop sustainable and important management system certification, give an impetus to mutual recognition of international quality, and provide the industry with quality certification services.

(2) Service results

A. Strengthening product inspection

- ◆ Added a number of required test items, including “wood flooring,” “flame retardant building materials,” “children's bicycles,” “toys” and “children's high chairs” for a total of 7 products and 87 items.
- ◆ Revised inspection standards on 6 products, including “protective helmets,” “hard fiberboards,” “insulation boards,” “medium density fiberboards,” “particle boards” and “safety shoes.”

B. Vigorously developing inspection technology

- ◆ In response to industry demand for test services, BSMI strengthened test equipments and advanced inspection techniques. This year BSMI established and implemented some testing techniques, including “Inspection method of vermiculite contents in building materials,” “Detection method of PFOA compounds in the coating of textiles,” “Inspection of steam treatment on bonding strength of plywood for concrete form” and “Inspection capacity for metal cane trial and error method.”
- ◆ BSMI cultivated professional testing team of energy technology industry, provided manufacturers and research institutes with counseling services of testing technique, and overcame the bottlenecks of system technology development and international certification, which could save testing costs, increase competitiveness and market share at home and abroad, and further enter the global supply system. This year BSMI conducted a number of testing technology services, including “EMC measurement,” “charging connector measurement,” “refrigeration and air conditioning,” “renewable energy converter,” “LED,” “converter,” “photovoltaic,” “small wind turbine” and “electric vehicle parts and components services.”
- ◆ Completed the establishment of 9 energy testing and certification, including “LED lighting level 2 calibration,” “photovoltaic aging test,” “10kW fuel cell system upgrade,” “hydrogen cycling and strain measurement,” “electric vehicle battery and DC charging test,” “high capacity machine test,” “electric vehicle charging coupler test system,” “medical device — safety and basic performance test of electrical nerve and muscle stimulator” and “safety and basic performance test of infusion pump and infusion controller.”
- ◆ In order to enhance the confidence of the person who participates in the proficiency test and strengthen BSMI quality standards and technical capabilities, BSMI completed 5 capacity comparison tests, including “ASTM biodiesel capacity comparison test,” “AIST and JATL reference solar cell calibration capacity test,” “capacity comparison test of hexavalent chromium

in ferrous materials,” “capacity comparison test in the mechanical test field” and “capacity comparison test of energy-saving glass test.”

C. Building high quality testing and certification platforms

- ◆ BSMI held the “The Signing Ceremony for the MOU of Small and Medium Sized Wind Turbine Standards Test Site signed by Taiwan Electric Research & Testing Center (TERTEC), Metal Industries Research and Development Center (MIRDC) and Nippon Kaiji Kyokai (ClassNK)” The MOU was beneficial to the standard test site of our country to acquire international cooperation test results, and BSMI also was listed as a cooperative unit recommended by ClassNK.



▲The Signing Ceremony for the MOU of Small and Medium Sized Wind Turbine Standards Test Site

- ◆ Conducted “Establishment of product standard, testing technology and certification platform for energy saving industry, renewable energy industry and advanced energy industry,” “Scientific project for healthcare industry standards testing and certification platform” and “Electric vehicle standards testing and certification platform.”
- ◆ BSMI celebrated the “Opening ceremony of the refrigeration and air conditioning test center laboratory,” and the “MOU of mutual cooperation on refrigeration and air conditioning testing technology” was signed by BSMI and the Electronics Testing Center, Taiwan (ETC) to jointly promote the work of inspection and certification of refrigeration and air conditioning products so

as to help build domestic refrigeration and air conditioning related inspection and certification mechanism, shorten product development time of the industry, and provide related research services in regard to air-conditioning and energy efficiency inspection.

D. Building accreditation and certification environment to conform to international standards

- ◆ BSMI promoted the cross-strait testing data mechanism which was mutually acceptable by both sides. The Mainland China side agreed to expand the applicable product scope to “the products which are researched, developed and designed in Taiwan by our manufacturers and are manufactured or processed in Mainland China,” and “notebook (including Tablet PC),” “desktop computer” and “LCD digital TV” were the 3 trial products to be implemented first.
- ◆ By means of the operations of Taiwan-Singapore MRA (Mutual Recognition Agreement) and Taiwan-New Zealand MRA, BSMI assisted many domestic laboratories to maintain or acquire testing laboratory qualifications recognized by foreign governments in addition to being recognized as a qualified product certification agency by Singapore and New Zealand.

E. Promoting quality management system certification

- ◆ ISO 9001 Quality Management System Certification
Obtained accreditations from TAF in 24 related fields.
- ◆ ISO 14001 Environmental Management System Certification
Obtained accreditations from TAF in 20 related fields.
- ◆ ISO 27001 Information Security Management System Certification
Obtained accreditations from TAF in related fields.
- ◆ OHSAS 18001 Occupational Health and Safety Management System Certification
Obtained accreditations from TAF in 7 related fields.

◆ ISO 22000 Food Safety Management System Certification

Obtained accreditations from TAF in 10 related fields.

◆ TOSHMS Taiwan Occupational Safety and Health Management System Certification

Passed audits conducted by Ministry of Labor (MOL) TOSHMS certification bodies.

◆ ISO 14064-1 Greenhouse Gas (GHG) Verification/Certification

Obtained accreditations from TAF in 5 related fields.

◆ ISO 28000 Supply Chain Security Management System Certification

As of the end of this year, 2 companies passed ISO 28000 certifications.

◆ ISO 50001 Energy Management System Certification

Obtained accreditations from TAF in 1 related field.

◆ Health and Safety Management System Certification on Food and Feed for Export

HACCP (Hazard Analysis and Critical Control Points system certification for export food processing plant)

Until the end of this year, 74 factories passed HACCP certifications.

EU (EU fishery product health management system certification for export food processing plant)

Until the end of this year, 38 factories passed EU certifications.

4. Product Safety and Management

(1) Service report

In view of the rise of the Internet along with the change of spending habits of the general public, product safety management also needs to keep pace with the times. BSMI conducted a number of promotional videos, online quiz activities and questionnaires to strengthen the management of product safety. For the same purpose, BSMI posted the bimonthly “Consumer Protection Service Newsletter,” the monthly e-paper “Inspection Prerelease” and the monthly “Inspection

Administration News” on BSMI's Product Safety Internet and web pages of its subordinate branches in order to enhance product safety management. Through the Internet interactions, public opinions can be extensively collected, which can be used as references for planning policies in the future.

For the Internet market surveillance services, BSMI added the audit item of online shopping products, and launched the “Web Search for Products Subject to Inspection” to promote the scope of commodities subject to inspections for the emerging Internet platform businesses and online auction sellers. Regulations with regard to information disclosure also were added to remind the Internet platform businesses to have self-disciplines voluntarily in order to safeguard the safety of consumer goods.



BSMI continues to perform services of market product inspections and enhances risk management mechanism. Apart from lending an impetus to international and cross-strait cooperation of consumer product safety, BSMI carries out source management, border management and market surveillance management. Moreover, BSMI not only collects product safety information through multiple channels but also enhances recall and correction of products committing violations, product incident reporting and handling, and audits on abnormal imported goods. Promotion of volunteer system for monitoring consumer goods also is performed by BSMI to immediately release information in order to ensure that consumers can have peace of mind while shopping and have confidence when using the products.

(2) Service results

A. Market product sampling and special market surveillance

- ◆ For high risk or publicly concerned commodities, BSMI conducted the special project of purchased-sample tests on 40 products, including water dispenser, electric body shaver, scarf, heater, electric breast pump, mouse pad, wet wipe,

children's clothing, hat, inline skates, skateboard, dish dryer, leisure furnace, yellow rubber duck toy, hair dryer, fire retardant coating, etc. In addition, BSMI held a press conference and issued a press release to announce the test results in order to protect the safety of consumers.

- ◆ To prevent unsafe consumer products from entering into domestic market, BSMI conducted border checks for RPC (Registration of Product Certification) registered products according to the degree of potential risks. Until the end of this year, BSMI inspected 984 items of registered products at the border.

B. Conducting joint audits and inspections on abnormal imported goods

- ◆ BSMI placed the focus of investigation on conventional industry commodities, such as ready-made garments, beddings and towels, and audit focus was placed on products having false country of origin labeling, such as forged labels and cut-off labels. Until the end of this year, 292 joint audits were conducted and 60,153 audited items were found to be misbranded or falsely labeled products.



- ◆ In the future, the “Abnormal Imported Goods Joint Inspection Team” will continue to gather information and intelligence, and strengthen the checking on product label abnormalities. In addition, the Team will cooperate with inter-ministerial agencies to prevent misbranded or falsely labeled products from entering the market for sale, and to guard against abnormal imported goods to have impact on the development of domestic industry so as to protect the rights and interests of domestic consumers and legitimate businesses.

C. Continuing the expansion of Product Safety Internet

- ◆ BSMI dispatches personnel to conduct investigation on product incidents upon receiving reported cases from BSMI's Product Safety Internet. For unsafe

products, BSMI quickly takes appropriate actions pursuant to related laws and regulations. Until the end of this year, 153 reported cases were received.

- ◆ BSMI took the initiative to collect information on 1,733 items from the US Consumer Products Safety Commission (CPSC), the European Rapid Alert System for Non-food Consumer Products (RAPEX), and overseas representative offices, and publicly announced the information on BSMI's Product Safety Internet in the page of “Defective Product Information.”
- ◆ BSMI published information in regard to the product and its manufacturer, which is in violation of provisions of commodity inspection, on BSMI's Product Safety Internet in the page of “Product Violation Information.” Until the end of this year, 271 violations were fined.

D. Important activities and advocacy

- ◆ BSMI organized the “Recognition of Commodities Subject to Inspection Seminar” in the hope that all government procurement personnel and distributors would purchase and sell inspection-qualified products in order to prevent illegal ones from selling on the market.
- ◆ BSMI set up the “Unsafe Products Prevention Advocacy Group” and conducted advocacy activities in schools, exhibition halls and hypermarkets to educate consumers how to choose inspection-qualified products, and to avoid buying unqualified ones of poor quality for protecting the rights and interests of consumers.

5. Serving the Public

(1) Information services

A. An overview of collections

The standards information collected by the BSMI Information Center includes National Standards of the Republic of China (CNS), major international standards, national standards of advanced industrial countries, standards of major international associations, catalogs of standards and metrology information.

Type	Format	Quantity	Remarks
CNS	Paper 、 Internet	14,651	2,467 in English version
Foreign standards	Paper	220,026	
	CD/DVD version	16	
	Bound volume	13	
	Virtual collection (Internet downloads)	8	
Standard catalogs	Paper	89	
	CD/DVD version	16	
Metrology information	Paper	310	

B. CNS translation in English

In order to promote international trade, BSMI ponders over actual conditions of industrial and commercial sectors as well as product inspection services, solicits opinions extensively from business circles, experts and scholars, and draws up the commonly used CNS standards in English version in response to the needs of exchanging information among international standards organizations. This year BSMI completed the following things for CNS standards in English version, such as 23 new added, 11 withdrawn, and 23 amended. By the end of this year, there were 2,467 CNS English versions, focusing mainly on standards of chemicals, electronics, machinery and food.

C. Information search system

◆ CNS Online Service (<http://www.cnsonline.com.tw/>)

The public can at any time inquire, preview and download online information relating to CNS standards. By the end of this year, there were 1,014,571 users visiting the system.

◆ Foreign standards online catalog (<http://fsms.bsmi.gov.tw/cat/>)

At the end of this year the collection of the system reached about 220,000 standards information from more than 90 standards organizations. There were 370,448 users utilizing the system this year.

D. Authorized photocopying services

- ◆ The industrial and commercial sectors as well as academic institutions have great demands nowadays towards standards of the world's major standards organizations. BSMI continues to sign the authorized photocopy agreements with famous standards organizations in order to assist the aforesaid sectors and institutions to quickly obtain required standards information. The general public can get legal photocopy with the full set of standards information by paying the royalties.
- ◆ Until the end of this year, BSMI has signed authorized photocopy agreements with the following standards organizations, and their royalty ratios are listed as follows:

Acronym	Full Name	Royalties
AS	Standards Australia	40%
ASTM	ASTM International	60%
BS	British Standards Institution	50%
DIN	Deutsches Institut für Normung e.V.	66.66%
IEEE	Institute of Electrical and Electronics Engineers, Incorporated	75%
ISO	International Organization for Standardization	90%
UL	Underwriter Laboratories Inc.	80%

(2) Commodity safety consulting center

A. Service Items

- ◆ Inquiries regarding national standards, international standards and CNS Mark.

- ◆ Inquiries regarding commodity items subject to mandatory inspections and inspection methods of chemical, mechanical, electrical and electronic products.
- ◆ Inquiries of type testing for mandatory inspection in the fields of chemicals, machinery, electric machinery, and electronics.
- ◆ Inquires regarding the conditions of application for inspection exemption for mandatory inspection products.
- ◆ Inquiries in regard to reporting of product violation and recall of defective products.
- ◆ Inquiries regarding management system certification.
- ◆ Inquiries regarding verification, inspection, calibration and dispute identification of legal measuring instruments.
- ◆ Other inquiries (including the public complaints, appeals or services not administered by BSMI).

B. Public consultation cases

- ◆ Shortly after the incident of TRA lunch boxes containing excessive amount of manganese, another similar incident of lunch boxes occurred, where New Taipei City Government gave more than 30,000 stainless steel lunch boxes containing excessive amount of manganese to kindergartens as gifts. The two said incidents caused a public panic, and as a result, BSMI received many phone inquiries from parents and kindergartens – consulting stainless steel material requirements for CNS 12324 “Metal Lunch Box”, which shall comply with the symbol of class 304 under the requirements (manganese content under 2.00%) of the CNS 8499 “Cold rolled stainless steel plates, sheets and strips.” The excessive manganese incidents reported by the media referred to the vendor supplied lunch boxes made of stainless steel with the symbol of class 201 and 202 (manganese content 5.50%~10.00%), which did not meet the grade requirements as stated in the supply contract. BSMI provided information pertinent to the aforesaid incidents to clear up doubts.
- ◆ A domestic electrical appliance manufacturer contacted BSMI inquiring

whether there was any particular regulation for “remote control air-conditioning with mobile phone Wi-Fi” — Air-conditioner is a product subject to BSMI mandatory inspection in accordance with CNS and IEC standards. The existing standards do not cover inspection items for remote control of electric appliances with mobile phone Wi-Fi. Nevertheless, BSMI still reminded the manufacturer to note that the wireless remote control function should prevent the risk of simultaneously starting other electric appliances, which may cause damages.

2013 Public Consultation Cases Statistics

Type	Quantity
Standards	662
Commodity Inspection	10,559
Metrology	1,694
Management System	152
Others	2,795
TOTAL	15,862

III. International Cooperation and Interchanges

1. Summary

The BSMI puts great emphases on developing cooperative relationship with regulators in foreign countries and participating in international activities in the fields of standardization, legal metrology and conformity assessment. One of the purposes is to build up connections with our counterpart organizations for further exchanges of views and technology and present to the world the experiences acquired in Taiwan.

In 2013, bilateral consultations over the previous years yielded fruitful results, in particular the conclusion of the “Agreement on Standardization, Conformity Assessment and Metrology” with Israel on December 10, which provides a regulatory dialogue between the BSMI and The Commission of Standardization, Ministry of Economy, Israel on issues of mutual interest. The signing of the Economic Cooperation Agreement (ANZTEC) with New Zealand in July and the Economic Partnership Agreement with Singapore (ASTEP) in November further signifies collaboration between Taiwan and the two countries on more WTO plus initiatives on removing technical barriers to trade. In addition, the 4th year of implementation of the “Cross-Strait Agreement on Cooperation in Respect of Standards, Metrology, Inspection and Accreditation” also produced substantial deliverables. Contracts were signed between four testing laboratories in Taiwan and China Quality Certification Center (CQC) in Mainland China on acceptance of testing results for CQC Energy Conservation Certification of LED street lights, which would save conformity assessment cost for manufacturers in Taiwan by allowing related testing to be performed locally.

At international level, the BSMI participated actively in meetings held under the international standardizing organizations, such as IEC/TC69/PT 61851-23 and 61851-24 on DC charging system, ISO/TC39/SC2 on precision of electric discharge

machines, ISO/IEC JTC1/SC2/WG2 on universal coded character set and ideographic characters, etc. The number of experts attending meetings held by international organizations developing industry standards for information technology and telecommunications equipment, e.g. WiMax Forum, 3GPP LTE/LTE-Advanced, IEEE 802.16 and IEEE 1609, even reached 155 in 2013. This shows that the IT industry in Taiwan has a growing awareness of the benefits of participation in standardization in a competitive market.

The development of conformity assessment regime in Taiwan has been closely associated with green energies in recent years. In 2013, efforts were devoted by the BSMI in exploring technologies involved in wind turbine certification, including visits to Japan, Korea, Germany and South Africa to share experiences on the design and certification of small and medium sized wind turbine systems, as well as participation in the 2013 World Wind Energy Conference. It is envisaged that certification of electrical and electronic products with environment-friendly performances will become an important area of cooperation in the coming years.

2. An Overview of Activities

The activities (seminars, meetings, visits and trainings) that the BSMI arranged or participated in 2013 at international, regional and bilateral levels are listed below based on the main theme of the event.

(1) Activities With Cross-Cutting Agenda

- A. “WTO Regional Workshop on Technical Barriers to Trade (TBT) for Asia and the Pacific” in Singapore on February 19-21.
- B. The 60th and 62nd WTO/TBT Committee Meetings in Geneva, Switzerland on March 5-7 and October 29-31 respectively. (Thematic sessions on “Standards and Good Regulatory Practice” and “Special and Differential Treatment, Technical Assistance and Conformity Assessment Procedures” were held back to back with the Committee Meetings.)



- C. “2013 WTO Advanced Thematic Course on TBT” held in Geneva, Switzerland on June 10-21.
- D. Operation of the WTO/TBT Enquiry Point: submission of 27 WTO/TBT notifications to the WTO Secretariat and distribution of 1,671 WTO/TBT notifications to relevant competent authorities, industry associations and companies for commenting (815 of them were translated into Chinese for better access of the industry to the measures proposed by other WTO Members.)
- E. The 1st and 2nd APEC/SCSC Meetings in Jakarta and Medan, Indonesia on January 27-29 and June 28-29 respectively. (Prior to the 2nd APEC/SCSC Meeting, “Seminar for the Creation of APEC Standards Infrastructure Guidelines,” “Seminar for Promotion and Implementation of Green Building Using BIM” and “The 7th Good Regulatory Practice Workshop” were also held on June 23-27.)
- F. The 18th APEC/SCSC Joint Regulatory Advisory Committee Meeting (JRAC) on Electrical and Electronic Equipment (EEE) in Surabaya, Indonesia on April 14-15.
- G. Bilateral economic consultation meetings with the United States, Japan, the European Union, Hong Kong, the Philippines, Singapore and Israel, at which the BSMI proposed issues concerning standards and conformity assessment.
- H. Negotiations of the TBT Chapters of ANZTEC signed with New Zealand on July 10 and ASTEP signed with Singapore on November 7.
- I. Two Digital Video Conferences of the Auto/TBT Working Group with the European Union on May 30 and November 7 respectively.
- J. Signing of the “Agreement on Standardization, Conformity Assessment and Metrology” with Israel on December 10 at the 10th Taiwan-Israel Economic and Technological Cooperation Conference.



▲ Group photo of Taiwan and Israel representatives after signing the “Agreement on Standardization, Conformity Assessment & Metrology” at the 10th Taiwan-Israel Economic and Technological Cooperation Conference.

- K. Visit to Thai Industrial Standard Institute (TISI) on July 9 to explore opportunities for cooperation.
- L. Implementation of the “Cross-Strait Agreement on Cooperation in Respect of Standards, Metrology, Inspection and Accreditation,” which include the holding of an annual conference, informative seminars and a series of working group meetings, such as
 - ◆ “2013 Cross-Strait Conference on Cooperation and Experience Exchanges on Consumer Product Safety” on January 15, about 180 participants from cross-strait competent authorities, related domestic industry associations and industries.
 - ◆ “The 4th Cross-Strait Symposium on Standards, Metrology, Inspection, Certification, Accreditation and Consumer Product Safety” and related working groups meetings in Huangshan City, Anhui Province, Mainland China on May 14-15.
 - ◆ “Information Meeting on Certification of Energy-Saving Products in Mainland China and Inspection of LED Street Lights in Taiwan” on August 1.
 - ◆ “Information Meeting on Requirements for Establishing Conformity Assessment Bodies in Mainland China and the Cross-Strait Agreement on Trade in Services” on August 20. Officials from the Certification and Accreditation

Administration (CNCA), Mainland China, were invited to explain the specific commitment made on technical testing and analysis service in the Cross-Strait Agreement on Trade in Services. Information on the requirements for establishing and operating testing laboratories, inspection bodies and certification bodies in Mainland China was also provided.

- ◆ “Cross-Strait Seminar on Metrology Management System” in Guilin City, Guangxi Province, Mainland China on August 26-29.



▲Q&A session of the “Information Meeting on Requirements for Establishing Conformity Assessment Bodies in Mainland China and the Cross-Strait Agreement on Trade in Services.”

(2) Standardization

- A. “The 21st UN/CEFACT Forum” in Geneva, Switzerland on April 15-19.
- B. “The “31st AFACT Mid-Term Meeting” in DaNang, Vietnam on May 8-11, and “The 31st AFACT Plenary Meeting” in Ho Chi Minh City, Vietnam on November 27-29.
- C. “International Standards Working Group Meeting of the IEC Working Group for DC Charging System (IEC/TC69/PT 61851-23, 61851-24)” in Toronto, Canada on April 15-19.
- D. “ISO/TC39/SC2 Meeting” in Washington D.C., USA on June 3-7, focusing on important precision standards of electric discharge machines.

- E. “The 61st ISO/IEC JTC1/SC2/WG2 Meeting” in Vilnius, Lithuania on June 10-14, at which proposals and a status report were made on the inclusion of words and symbols of Oracle Bone Script into International Standards Text Code (ISTC).
- F. “The 3rd Generation Partnership Project (3GPP) Technical Specification Group Service and System Aspects (TSG-SA WG1 #64Meeting/WG2 #100Meeting) International Standards Meeting” in San Francisco, USA on November 11-15, developing standards of 4G mobile communication technology.
- G. “The 41st ISO/IEC JTC1/SC2/WG2/IRG Meeting” in Tokyo, Japan on November 18-22, at which efforts were made to promote the inclusion of words and symbols of CNS 11643 (Chinese standard interchange code) into ISO/IEC 10646.
- H. “The 6th Committee Meeting of Asian Standardization for Photocatalytic Materials and Products (CASP 2013)” in Tokyo, Japan on November 23-24.
- I. Arrangement for 155 experts to attend standards-related meetings held by major international standardizing organizations developing industry standards for information technology and telecommunications equipment, including “WiMAX Forum,” “3GPP LTE/LTE-Advanced,” and “IEEE 802.16 & IEEE 1609,” a total of 162 advanced R&D results being presented, and 50 being accepted as technological contributions.

(3) Measurement and Legal Metrology

- A. “The 48th CIML Annual Meeting” and the “OIML MAA Workshop” in Ho Chi Minh City, Vietnam on October 6-11.
- B. “APLMF Annual Meeting & Working Group Meeting” in Yogyakarta, Indonesia on November 4-9, at which the proposal for conducting surveys on metrological control for medical measurement instruments was accepted.
- C. “APMP Annual Meeting” in Taipei on November 24-29.
- D. Holding of the “2013 International Symposium on Nanoparticle Size Measurement” on June 17, at which national weights and measures laboratories,

experts and scholars from many countries exchanged views on measurement traceability, international comparison, intercomparison of measuring instruments and development of nano measurement technology.

- E. Holding of the “2013 Asia-Pacific Time and Frequency Workshop” and the “Two-Way Satellite Time Transfer (TWSTT) Working Group Meeting of the Consultative Committee for Time and Frequency (CCTF).”

(4) Conformity Assessment and Technical Infrastructure Technology

- A. “APLAC General Assembly 2013” in Da Nang, Vietnam on September 7-13.
- B. “2013 PAC Plenary Meetings” in Hawaii, USA on May 18-25.
- C. “Conformity Assessment Bodies Committee (CABC) Meeting” and “Management Committee (MC) Meeting” of IECQ in Singapore on April 30-May 3, at which Chairman Mr. Cheng Fu-Hsiong of the Chinese Taipei Electronic Components Certification Board (CTECCB) presented on the promotion and implementation of the IECQ Automotive Qualification Program (AQP).
- D. Organization of “The 39th Taipei International Electronics Show (TAITRONICS)” on October 8-11.



▲ Group photo of President Ma Ying-jeou, Vice-Minister Cho Shih-chao of MOEA, Deputy Director-General Huang Lai-ho of BSMI, Chairman Wang Chih-kang of TAITRA, Director-General Kuo Tai-chiang of TEEMA and President David Smith of IECQ MC at the ribbon-cutting ceremony of the 39th TAITRONICS.

- E. “World Congress & Technical Sessions of the Society of Automotive Engineers (SAE),” and “Technical Seminar of Michigan Chinese Academic and Professional Association (MCAPA)” in Detroit, USA on April 14-19. (Visits were also arranged to TÜV SÜD for safety training on electric vehicle battery, and to MGA Research in Akron, New York State to collect information on the current technology development of electric vehicle battery industry and related issues concerning standards, inspection and certification.)
- F. “2013 (IEA) Wind TASK27 Meeting” in Spain on April 20-29. (Visits were arranged to Germany Renewable Energy Demonstration Area and wind turbine certification bodies.)
- G. “2013 Asia-Pacific International Symposium and Exhibition on Electromagnetic Compatibility” in Melbourne, Australia on May 18-25, at which a paper entitled “The Practical Measurement Setup of DPI Method above 1 GHz for ICs” from BSMI staff was selected as the best symposium paper.
- H. “2013 World Wind Energy Conference” in Cuba on May 31-June 8.
- I. Visit to biofuel-related bodies and research institutes in Japan on June 22-27 to study the conversion of bio-based materials into energy or fuel using biotechnology.
- J. “EMC Europe 2013 International Symposium on Electromagnetic Compatibility” in Bruges, Belgium on August 31-September 8.
- K. “The 5th Asia-Pacific NMR Symposium” in Brisbane, Australia on October 27-30, at which a poster paper entitled “Identifying Artificial Flavor Compositions through NMR Mixture Analysis” were presented by BSMI staff.
- L. “2013 8th Gas Appliances Certification Meeting of Western Pacific Region (GACM)” in Ho Chi Minh City, Vietnam on November 27-29.
- M. Visit by representatives from the Federal Service for Veterinary and Phytosanitary Surveillance (FSVPS) of Russia from June 23 to July 6 to perform on-site inspections to the processing plants and fishing vessel for exporting fishery products to Russia.

- N. Visits to ClassNK, AIST and JSWTA in Japan, as well as visits to KWEIA and JGRC in Korea on February 27-March 5, to discuss issues of design, assessment and certification of small and medium sized wind turbine systems.
- O. Visit to South Africa Bureau of Standards (SABS), SAWEA and related manufacturers in South Africa on March 1-9, to collect information on the inspection, certification and technology of small and medium sized wind turbines.
- P. “National Experts in Professional Training (NEPT)” at the EU DG SANCO in Brussels, Belgium on March 16-June 15.
- Q. Visits by Japan VCCI representatives on April 17, June 5 and November 4 for cooperation on an MoU.
- R. At the invitation of the BSMI, visits by experts from Kiwa Netherlands and Mr. Falco Thuis, Convener of ISO TC 197 WG9, on July 4-6 to deliver keynote speeches and exchange technical expertise on hydrogen fuel cells.
- S. Visits to five organizations in Japan (Japan Quality Assurance Organization, Yokohama Rehabilitation Center, Foundation for Promoting Personal Mobility and Ecological Transportation, Japan Braille Library, and the Accessible Design Foundation of Japan) on September 24-26 to collect information on barrier-free design standards and barrier-free product certification systems in Japan.
- T. Visit to Japan at the invitation of Japan Quality Assurance Organization on September 30-October 2 to introduce the commodity inspection regulations and technology requirements in Taiwan.
- U. At the invitation of the BSMI, visit by Mr. Takahiro Takahashi, Assistant of Section Chief of METI, Mr. Sadahiro Hiraiwa, Director of Japan Quality Assurance Organization, and Ms. Leung Man on October 21-23 to make presentations at the “Taiwan-Japan Mutual Recognition Agreement (MRA)-Japan's Electrical Appliance and Material Safety Act Seminar” held on October 22.
- V. Visit to Underwriters Laboratories Inc. in USA on December 9-18 to study solutions to different aspects concerning lithium batteries, including inspection methods, incident investigations and disposals.

- W. Delivery of training courses in Saudi Arabia for staff of Saudi Arabian Standards Organization (SASO) on construction materials, electric products and electronic products on November 10-December 5.

(5) Consumer Protection

- A. 2013 ICPHSO Annual Symposium in Arlington, USA on February 26-March 1, and 2013 ICPHSO Asia Pacific International Symposium in Australia on October 8-10.
- B. 2013 ICPCS Meetings in connection with the ICPHSO Symposium in the USA and Australia.
- C. At the invitation of the BSMI, visits by Mr. MAK Yuk Kam, Head of Consumer Protection Bureau (1), Customs and Excise Department, Hong Kong, and his colleague, Mr. JA Kwong-cho, Deputy Head (Consumer Goods Safety), Consumer Protection Bureau (1), for the exchange of views on issues relating to consumer product safety and opportunity for cross-border cooperation between Taiwan and Hong Kong.
- D. Co-sponsorship with the U.S. Consumer Product Safety Commission (CPSC) of the “Seminar on Assessing Safety Risks in Consumer Products: The role of Designers, Manufacturers, Distributors and Regulators” on September 26-27. (Mr. Jacob Miller, Program Manager, and Mr. Perry Sharpless, Senior Mechanical Engineer, from CPSC were the keynote speakers.)
- E. At the invitation of the BSMI, visits by experts from the National Institute of Technology and Evaluation (NITE) of Japan to deliver training on “Investigation of Incidents Caused by Products & Certification of Lithium Batteries” on October 23-24.



3. Note: Abbreviations and Acronyms

AFACT	Asia Pacific Council for Trade Facilitation and Electronic Business
AIST	National Institute of Advanced Industrial Science and Technology (Japan)
ANZTEC	The Agreement between New Zealand and the Separate Customs Territory of Taiwan, Penghu, Kinmen, and Matsu on Economic Cooperation
APEC/SCSC	Asia-Pacific Economic Cooperation/Sub-Committee on Standards and Conformance
APLAC	Asia Pacific Laboratory Accreditation Cooperation
APLMF	Asia Pacific Legal Metrology Forum
APMP	Asia Pacific Metrology Programme
ASTEP	The Agreement between Singapore and the Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu on Economic Partnership
CGPM	General Conference on Weights and Measures
ClassNK	Nippon Kaiji Kyokai
EMC	Electromagnetic Compatibility
IAF	International Accreditation Forum
ICPSC	International Consumer Product Safety Caucus
ICPHSO	International Consumer Product Health and Safety Organization
IEC	International Electrotechnical Commission
IECEE	IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components
IECQ	International Electrotechnical Commission Quality Assessment System for Electronic Components
IEEE	Institute of Electrical and Electronics Engineers
ILAC	International Laboratory Accreditation Cooperation
ISO	International Organization for Standardization

ISO/IEC JTC1/ SC2/WG2/ IRG	JTC1- Joint Technical Committee1 (of ISO and IEC) SC2- Subcommittee2 (of JTC1) WG2- Working Group 2(of SC2) IRG- Ideographic Rapporteur Group(of WG2)
ISO/TC	Technical Committee(of ISO)
JGRC	Jeju Global Research Center (Korea)
JSWTA	Japan Small Wind Turbines Association
KWEIA	Korean Wind Energy Industry Association
OIML/CIML	International Organization of Legal Metrology/International Committee of Legal Metrology
PAC	Pacific Accreditation Cooperation
SAWEA	South African Wind Energy Association
UN/CEFACT	United Nations Center for Trade Facilitation and Electronic Business
VCCI	Voluntary Control Council for Interference by Information Technology Equipment (Japan)
WiMAX	Worldwide Interoperability for Microwave Access
WTO/TBT	World Trade Organization/Committee on Technical Barriers to Trade
3GPP	3 rd Generation Partnership Project
3GPP LTE	3GPP Long Term Evolution



IV. Statistics

1. National Standards

Year	Item	Existing (Kind)	Establishment (Kind)	Revision (Kind)	Abolition (Kind)	Standard Providing(Piece)			Foreign Standard Collecting (Piece)	Consulting Service (Person/ Time)
						Total	National Standard	Foreign Standard		
2009		14,390	132	143	45	184,660	173,411	11,249	8,120	18,739
2010		14,473	240	175	157	160,152	149,839	10,313	13,047	16,023
2011		14,543	229	151	159	186,627	178,978	7,649	8,058	13,554
2012		14,510	180	200	213	159,536	153,082	6,454	8,006	13,160
2013		14,651	208	166	67	173,742	167,850	5,892	7,334	12,796
Increase or Decrease Percentage Compared to the Last Year (%)		0.97	15.56	-17.00	-68.54	8.90	9.65	-8.71	-8.39	-2.77

2. The Management of CNS Mark

Year	Item	Factory (No.of Factory)			Product (No. of Piece)			Quality Supervision (Factory Batch)	Product Sample Testing (No.of Piece)
		Existing Factory	Approval	Rescind	Existing Product	Approval	Rescind		
2009		637	77	38	1,947	112	62	489	1,847
2010		630	60	52	1,930	95	112	498	1,604
2011		647	68	37	1,974	118	74	496	1,507
2012		650	49	45	1,980	79	73	531	1,510
2013		669	89	64	2,021	164	123	545	1,560
Increase or Decrease Percentage Compared to the Last Year (%)		2.92	81.63	42.22	2.07	107.59	68.49	2.64	3.31

3.Verification,Inspection of Metrology — by Item

Unit : Piece

Year \ Item	Total	Initial Verification	Subsequent Verification	Inspection	2 nd Grade Calibration	Calibration For Weights	Arbitral Inspection	Complaint and Uncovering Law Violating	Market Surveillance	Self-Management
2009	3,174,282	2,323,835	730,885	106,549	1,532	1,930	820	235	8,496	...
2010	3,225,554	2,425,420	685,378	99,439	1,497	2,460	760	195	10,405	...
2011	3,537,562	2,619,236	802,504	96,032	1,573	2,222	734	232	15,029	...
2012	3,591,429	2,444,475	900,573	98,093	1,633	2,342	789	539	10,737	132,248
2013	3,559,223	2,472,286	792,935	99,749	1,802	2,856	717	335	12,973	175,570
Increase or Decrease Percentage Compared to the Last Year (%)	-0.90	1.14	-11.95	1.69	10.35	21.95	-9.13	-37.85	20.83	32.76

4.Verification, Inspection of Metrology— by Branch

Unit : Piece

Year \ Item	Total	Headquarters of BSMI	Keelung Branch	Hsinchu Branch	Taichung Branch	Tainan Branch	Kaohsiung Branch	Hualien Branch
2009	3,174,282	1,858,447	17,923	123,690	129,438	845,545	188,735	10,504
2010	3,225,554	1,366,359	17,605	124,777	196,792	1,364,589	145,273	10,159
2011	3,537,562	1,685,371	20,724	146,141	150,239	1,382,666	142,118	10,303
2012	3,591,429	1,581,538	39,027	175,290	246,942	1,348,847	186,586	13,199
2013	3,559,223	1,692,980	40,059	227,919	178,798	1,189,297	211,662	18,508
Increase or Decrease Percentage Compared to the Last Year (%)	-0.90	7.05	2.64	30.02	-27.60	-11.83	13.44	40.22



5. The Commodity Inspection— by Branch

Unit : Batch


Year \ Item	Total	Headquarters of BSMI	Keelung Branch	Hsinchu Branch	Taichung Branch	Tainan Branch	Kaohsiung Branch	Hualien Branch
2009	392,363	1,521	215,092	74,672	24,378	1,183	75,195	322
2010	455,103	1,736	251,623	84,000	35,341	1,235	80,781	387
2011	357,821	1,410	205,850	102,940	24,760	1,226	21,213	422
2012	383,228	1,390	209,728	117,871	24,738	1,259	27,819	423
2013	420,125	1,484	221,483	138,139	25,926	1,216	31,452	425
Import Inspection	413,243	175	221,266	137,446	23,543	66	30,747	-
Inspection for Domestic Market	6,882	1,309	217	693	2,383	1,150	705	425
Increase or Decrease Percentage Compared to the Last Year (%)	9.63	6.76	5.60	17.20	4.80	-3.42	13.06	0.47

6. Market Surveillance

Year \ Item	Inspection of Commodities for Domestic Market (Item)					Distributor Inspection for Domestic Market (Company)	Purchased Sample Inspection for Domestic Market (Item)
	Total	Chemical	Toy	Electronic and Electrical	Machinery and Mechanical		
2009	38,367	5,241	9,295	20,156	3,675	9,482	1,606
2010	48,297	6,203	10,778	26,632	4,684	9,712	1,644
2011	51,455	5,496	11,390	30,051	4,518	16,625	1,715
2012	45,079	5,668	10,525	25,490	3,396	4,970	1,226
2013	42,162	6,198	11,251	21,781	2,932	4,147	2,165
Increase or Decrease Percentage Compared to the Last Year (%)	-6.47	9.35	6.90	-14.55	-13.66	-16.56	76.59



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