

**Hong Kong Council for Testing and Certification**  
**Annual Report 2013-2014**

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## Foreword

The Hong Kong Council for Testing and Certification (the Council) was established in 2009 to advise the Government on the overall strategy to support the development of the testing and certification industry, an industry with good development potentials and a sector where Hong Kong enjoys clear advantages.

2. Last year, the Council completed a comprehensive review of our work and submitted a Review Report to the Chief Executive in March 2013. Since then, the Council has continued to implement the recommended measures, adhering to the dual approach of making general improvements to both the accreditation service and factors of production of the industry, while focusing particular attention on specific trades with good potentials for using testing and certification services.

3. This report summarises major progress and achievements in 2013-14. During the year, new accreditation services were introduced and new certification schemes were being developed. The Council also stepped up its promotion and made various efforts in introducing the testing and certification industry to students and job seekers. Further opening of the market on Mainland was made possible when the Mainland and Hong Kong authorities signed Supplement X to the Mainland and Hong Kong Closer Economic Partnership Agreement in August 2013. The Council would continue to assist the industry in exploring the business potentials in Hong Kong, on Mainland and abroad.

4. Finally, I would like to express the Council's gratitude to relevant Government departments, public organisations, practitioners in the testing and certification industry, as well as the Conveners and members of the Council's Panels for their contributions and support in Year 2013-14.



Professor CHING Pak-chung, BBS  
Chairman,  
Hong Kong Council for Testing and Certification  
16 April 2014

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## I. HONG KONG COUNCIL FOR TESTING AND CERTIFICATION

The Government of the Hong Kong Special Administrative Region established the Hong Kong Council for Testing and Certification (HKCTC) in September 2009 to advise the Government on the overall development strategy for the testing and certification industry. Its terms of reference are at *Annex 1*.

Annex 1

1.2 HKCTC is chaired by Professor Ching Pak-chung, Pro-Vice-Chancellor of the Chinese University of Hong Kong. Members come from the testing and certification industry, business sector, relevant professional bodies, public organisations as well as Government departments. HKCTC's membership list is at *Annex 2*. The Innovation and Technology Commission (ITC) provides secretariat support to HKCTC.

Annex 2

1.3 HKCTC has been working closely with the Government and the testing and certification industry towards developing Hong Kong into a testing and certification hub in the region. In March 2013, after reviewing the progress of the implementation of its three-year industry development plan formulated in 2010, HKCTC submitted a Review Report to the Chief Executive. The recommendations therein were accepted by Government.

1.4 Since then, HKCTC has taken forward the recommendations in the Review Report in collaboration with various stakeholders. This Annual Report presents the 2012 statistics of the industry (latest figures available) and summarises the work of HKCTC, relevant Government bureaux/departments and public organisations in spearheading the development of the industry in the period from April 2013 to March 2014 (Year 2013-14).

### OUR VISION

To develop Hong Kong into a testing and certification hub in the region by reinforcing the branding of 'Tested in Hong Kong, Certified in Hong Kong'.

## **OUR ROLE**

- Act as a focal point of contact among all stakeholders, including the testing and certification industry itself, the related industries, providers of supporting services, etc.
- Assist the industry to explore new business opportunities.
- Coordinate effort by the industry to best dovetail Government policy objectives.
- Promote acceptance of Hong Kong's testing/inspection reports and certificates by overseas/Mainland governments.
- Enhance manpower development and professionalism in the industry.

## **OUR STRATEGY**

Market-oriented dual approach to promote the development of the testing and certification industry –

Making general improvements to the accreditation and factors of production while focusing particular attention on specific trades with good potentials in using testing and certification services.

## II. INDUSTRY PROFILE (2012 FIGURES<sup>1</sup>)

### Number of Establishments

In Hong Kong, according to a survey, there were about 705 establishments engaging in testing, inspection and certification activities in 2012, of which 600 were private independent establishments –

Category	Number
Private independent establishments engaging in testing, inspection and certification activities as their major economic activity	600
Manufacturers and exporters engaging 100 persons or more and with in-house laboratories for testing activities	50
Laboratories in government departments/public organisations (including those in the hospitals of the Hospital Authority and those accredited by Hong Kong Accreditation Service (HKAS) in local universities)	55

### Sizes of Establishments

2.2 The vast majority (95%) of the private independent establishments were small and medium enterprises (SMEs) engaging fewer than 50 persons. They accounted for 28% of the total persons engaged and 27% of the total business receipts in the industry. 21 establishments engaging 100 persons or above accounted for the majority of employment and business receipts – 65% of the persons engaged and 68% of the total business receipts in the industry.

### Persons Engaged

2.3 The number of persons engaged in testing, inspection and certification activities was 16 680 in 2012, of which 12 780 persons were engaged by private independent establishments. About 5 760 (45% of 12 780) were professionals and associate professionals whose main duties were to provide testing, inspection and certification services.

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<sup>1</sup> Based on a survey conducted by the Census and Statistics Department in Hong Kong.

## Business Receipts

2.4 The total business receipts of the private independent establishments in the industry were \$10.9 billion in 2012. The direct economic contribution to Hong Kong's Gross Domestic Product (GDP) was \$5.8 billion. Breakdowns of the business receipts are shown below:



**2012**

Business receipts by type of service

*(Note : Percentages add up to lower than 100% due to rounding.)*



**2012**

Further breakdowns of business receipts from testing services



### III. IMPROVEMENTS ON THE GENERAL FRONT

Efforts for improvements on the general front cover two major aspects – accreditation service and factors of production of the testing and certification industry.

#### Accreditation Service

3.2 The accreditation service provided by ITC's HKAS is the cornerstone of the local testing and certification industry. In Year 2013-14, HKAS has extended its accreditation service to conformity assessment bodies undertaking the following new activities –

- (a) certification of management system of service providers of elderly residential care homes;
- (b) certification of quality management systems to ISO 9001 and environmental management systems to ISO 14001 in three new areas *viz.* “Mining and Quarrying”, “Printing Companies” and “Education”;
- (c) testing of maleic acid<sup>2</sup> in food;
- (d) operation of food product certification schemes;
- (e) certification of safety management system for the food sector specific schemes;
- (f) operation of construction product certification schemes on water closet suites and mesh reinforcement; and
- (g) testing of construction materials to the Construction Standards CS2:2012 (steel rebars) and CS3:2013 (aggregates).

To ensure the high professional standards in delivering accreditation service, HKAS arranged six training workshops and courses to its staff in Year 2013-14 to assist them in acquiring the necessary skills particularly regarding the provision of new accreditation services. For example, HKAS sent officers to attend a workshop organised by the Pacific Accreditation Cooperation (PAC) for training on the new standard ISO/IEC 17065:2012 in April 2013 in Indonesia; on the accreditation of medical testing, HKAS also

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<sup>2</sup> Maleic acid (known as 順丁烯二酸 or 馬來酸 in Chinese) is a harmful chemical deliberately added to food ingredients and starch-based food products (such as vermicelli and bubble tea) to make the product more chewy but it causes health concerns.

participated in two seminars focusing on the harmonisation of understanding of the ISO 15189:2012 (which specifies requirements for quality and competence in medical laboratories).

3.3 HKAS also regularly reviews and updates accreditation criteria documents to assist accredited organisations to operate in accordance with new accreditation and technical standards.

### **Enhancement to Factors of Production**

#### Manpower

3.4 The two main target groups of HKCTC's effort in the manpower aspect are students and practitioners.

#### *Students*

3.5 HKCTC continued to assist the industry to attract talents through raising awareness and enhancing knowledge of the industry among students of local tertiary education institutions and secondary schools. In Year 2013-14 –

- (a) with assistance from HKAS and industry practitioners, HKCTC organised ten career talks for the students of the Vocational Training Council (VTC) and local universities, and set up promotional booths on three career days. VTC also organised four career talks for its students in higher diploma courses relevant to testing and certification;



Career booth at a local university

- (b) HKCTC invited accredited organisations to offer internship places and received 140 internship places for Summer 2013. The offers

were relayed to VTC and local universities, as well as uploaded to HKCTC's website for students' information. Given the positive response from the industry, HKCTC again invited accredited organisations to provide internship opportunities for Summer 2014 ;

- (c) two visits to testing laboratories were lined up for teachers of chemistry at secondary schools in coordination with the Education Bureau. This year marked the beginning of HKCTC bringing the industry to senior secondary school students. For the first time, HKCTC arranged a group of secondary school students to visit a testing laboratory. A career talk was also arranged for secondary students;
- (d) to raise students' awareness of the industry and its manpower requirements, HKCTC participated in the Education and Careers Expo 2014 for the first time. A booth was set up and a career talk was also arranged. More than 1,400 students and visitors have been reached during the event;
- (e) HKAS delivered two technical talks to introduce the concepts of accreditation, testing and certification and the career prospects in the industry to students of tertiary education institutes; and
- (f) HKCTC compiled a brochure on the industry profile and its manpower situation to raise awareness among students. It was distributed at career booths/talks and relevant exhibitions that HKCTC took part in. Printed copies will be posted to secondary schools for teachers' references.



Brochure on manpower

3.6 Our tertiary education institutes train over 10,000 graduates in disciplines relevant to testing and certification every year. The Chinese

University of Hong Kong and the Open University of Hong Kong (OUHK) launched the Master of Science in Accreditation Chemistry and the Bachelor of Science (Honours) in Testing and Certification respectively in September 2013. OUHK's programme is located in brand new premises in its Jubilee College opened by the Chief Executive in February 2014.

3.7 Regarding VTC, it continues to offer ten Higher Diploma programmes in disciplines relevant to testing and certification. More than 1,000 graduates are expected in Academic Year 2013-14. In 2013, we also saw the first batch of graduates from VTC's Higher Diploma in Analytical Science (Testing and Certification).

### *Practitioners*

3.8 Efforts made by HKCTC, HKAS and relevant Government departments and public bodies to enhance practitioners' skills and promote further development of professionalism are set out below –

- (a) HKCTC, HKAS and the Government Laboratory organised about 80 seminars, workshops, short courses and other training events for practitioners in the testing and certification industry in Year 2013-14. One of the seminars was organised in October 2013 by HKCTC and other organisations to promote professional integrity and development in the industry, with speakers from the Independent Commission Against Corruption and other organisations;



### Seminars

- (b) the Qualifications Framework (QF) issued a draft Specification of Competency Standards for Testing, Inspection and Certification Industry in October 2013 for consultation. The draft was drawn up with input from the QF's Testing, Inspection and Certification Industry Training Advisory Committee chaired by an HKCTC Member. The Specification will provide a coherent and consistent set of benchmarks for various capabilities that the industry needs in

its manpower complement. QF plans to finalise it in mid-2014; and

- (c) with financial support from the SME Development Fund, the Hong Kong Association for Testing, Inspection and Certification (HKTIC) launched four more areas of certification (i.e., food testing, environmental testing, calibration and quality assurance) under its Professional Certification Scheme for Testing Personnel in June 2013, which aims to give professional recognition to practitioners.

### Capital and Technology

3.9 The Hong Kong Productivity Council (HKPC) and the Hong Kong Science Park (Science Park) have laboratory facilities and equipment that are open for use for a fee by private testing laboratories. Instead of investing a substantial amount on new equipment to provide tests where business volume is not high, testing laboratories can make use of these shared facilities to meet their needs. In Year 2013-14, 57% of the operation time of HKPC's electromagnetic compatibility anechoic chamber was used by private laboratories. To further promote the service of shared facilities, HKPC and the Science Park jointly organised three seminars for the industry in Year 2013-14, and introduced 'Lab Test One' – a new one-stop testing and technical support service for local industries.

3.10 HKCTC and ITC have been encouraging wider use of the Innovation and Technology Fund (ITF) for research and development of new testing technologies. HKCTC organised a seminar in December 2013 to promote ITF and other supports provided by Government and different public bodies.

3.11 Proficiency testing is important to the upholding of technical capability of our local laboratories. In Year 2013-14, the Government Laboratory continued to provide support and organised a food proficiency testing on propionic acid in flour confectionery. A proficiency testing on boric acid in food is also under planning.

### Land

3.12 As at the end of 2012 (latest available figure), the area of vacant floor area in private properties that may accommodate testing and certification organisations was about 2.3 million square metres, representing about 5.8% of all relevant stock. HKCTC considers that the existing stock in industrial and commercial premises in Hong Kong should generally be able to cope with the demand of the industry.

## IV. SPECIFIC TRADES

HKCTC has formed Panels for each of the following trades –

- (a) Chinese medicines;
- (b) construction materials;
- (c) food;
- (d) jewellery;
- (e) environmental protection; and
- (f) information and communications technologies.

The Panels comprise members from the relevant trades, testing and certification industry, academia, relevant Government departments and public bodies. During the year, there were some updates to the membership due to the expiry of the previous term. The membership lists of the Panels are at Annex 3 *Annex 3*.

### Chinese Medicines

4.2 HKCTC is in the process of organising the second inter-laboratory comparison exercise on 12 Chinese Materia Medica (CMM). The exercise will be implemented in two phases with six Chinese medicines in each phase. Through the exercise, participating testing laboratories are able to assess their own technical competence by comparing testing results with other laboratories.

4.3 With the support of the Chinese Medicines Panel, HKPC is developing a product certification scheme for CMM based on Hong Kong CMM Standards with funding support from ITF. Upon the completion of the development of the scheme in 2014, certification bodies would be able to provide certification services based on the scheme. HKCTC will work with HKPC to promote the service to traders and suppliers.

### Construction Materials

4.4 The Hong Kong Housing Authority (HKHA) plays a leading role in taking forward the development of product certification schemes for construction materials and products. In mid-2013, HKHA required product certification for three more types of construction materials, i.e., uPVC drainage pipe and fitting, close-coupled water closet suites as well as mesh reinforcement. By the end of Year 2013-14, HKAS has accredited five certification bodies for product certification of seven types of construction

materials.

4.5 In 2013, the Architectural Services Department selected four pilot projects for the adoption of product certification for tile adhesives with a view to enhancing public safety and health. The Standing Committee on Concrete Technology set up by the Development Bureau engaged a consultant to assess the feasibility of developing a product certification scheme for steel reinforcing bars for use in Hong Kong. Subject to the study and development of a suitable product certification scheme, the Government is prepared to use products certified under the scheme in public works projects.

4.6 The Construction Industry Council (CIC) began to take up the role to co-ordinate the existing product certification schemes and to promote and encourage the use of these schemes. In early 2014, the Construction Panel initiated discussions with CIC to explore the feasibility of more collaboration opportunities in promoting product certification for construction materials.

## Food

4.7 During Year 2013-14, the Hong Kong Polytechnic University (PolyU) completed the development of a new HACCP<sup>3</sup>-based food hygiene standard certification system aiming at enhancing food safety culture in local catering industry (especially the small and medium enterprises). HKCTC is working with the scheme developer and the testing and certification industry to promote this scheme.

4.8 The CUHK completed the development of a database for supporting DNA testing for authentication of selected high-valued food products. The database is now available for supporting private testing laboratories with DNA sequencing equipment in providing authentication service for the selected food products. HKCTC is working with CUHK and the testing and certification industry to promote the use of the technology (e.g. a talk was given at the Food Expo held in August 2013).

4.9 HKCTC also serves as a platform for sharing of information on matters related to food testing and certification among stakeholders. For example, a seminar was held together with the HKAS in September 2013 on the proposed rules under the United States Food and Drug Administration (FDA) Food Safety Modernization Act to assist stakeholders in

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<sup>3</sup> HACCP – Hazard Analysis and Critical Control Points

understanding the new regulatory requirements for exporting food to the States. Representatives from FDA were invited as speakers.

### Jewellery

4.10 HKCTC has sponsored the Gemmological Association of Hong Kong (GAHK) to develop a consolidated set of standard testing methods for *Fei Cui* (翡翠, or commonly referred to as 'jade'). The project is at its final stage and we expect that it could be completed within 2014. Upon its completion, the Jewellery Panel will work with GAHK in promoting the standard testing methods. Publicity will be arranged.

### Environmental Protection

4.11 The Environmental Protection Panel has been focusing its efforts on promoting new services for ISO 50001 energy management system (EnMS) certification as well as validation and verification of greenhouse gas (GHG) assertions. To reach out to potential service users, the Panel made use of various publicity channels, including seminars organised by public bodies and trade associations and talks at local trade fairs. At the Panel's recommendation, HKCTC also co-operated with HKAS to organise a seminar on the applicability of ISO 50001 EnMS and the relevant certification in public housing construction, building and property management sectors in February 2014.

4.12 The Panel has also been in liaison with CIC on the use of accredited verification services under its Carbon Labelling Scheme for Construction Materials launched in end-2013. CIC now mandates that the carbon footprint reports of suppliers for the selected materials be verified by HKAS-accredited verification bodies.

### Information and Communications Technologies (ICT)

4.13 The ICT Panel has been promoting ISO 27001 information security management system (ISMS) certification services. As a first step, the Panel arranged speakers from the local testing and certification industry and HKAS to introduce the concepts and advantages of ISMS certification at relevant seminars organised by Government departments, professional bodies and trade associations.

4.14 The ICT Panel has also been exploring the development of cloud computing certification. A survey was conducted from August to October



2013 to understand the market need for developing a cloud computing certification scheme in Hong Kong. Two expert group discussions were held among cloud service providers, service users and members of the ICT Panel. After deliberating the pros and cons of developing a local scheme based on the survey findings and expert group discussion outcomes, the Panel agreed to first focus efforts on promoting adoption of cloud computing services and relevant assessment tools in Hong Kong at this stage. Subject to the maturity of the local cloud services market and availability of any internationally recognised cloud certification schemes, the Panel will revisit the need for developing a local scheme.

## **V. SEEKING WIDER RECOGNITION OF HONG KONG'S ASSESSMENT RESULTS**

### **International Participation**

HKAS has been participating actively in the international accreditation community so as to seek wider recognition of Hong Kong's conformity assessment results. HKAS staff attended a number of meetings organised by international and regional accreditation cooperation organisations to exchange views with other accreditation bodies and to fulfill its obligation as members in various Committee, Work Groups and Task Forces of these organisations. In Year 2013-14, HKAS also contributed a number of articles to newsletters of the international and regional accreditation cooperation bodies.

5.2 Through the multilateral mutual recognition arrangements administered by international and regional accreditation cooperations, endorsed test reports and accredited certificates issued by HKAS' accredited organisations are recognised by over 85 accreditation bodies in more than 65 economies, including Hong Kong's major trading partners.

5.3 HKAS last hosted the Annual Meeting of the PAC in June 2012. At present, there is no plan to host another conference of relevant international organisations in Hong Kong but HKAS will bear this in mind and seize the opportunity to host other conferences having regard to the cost and benefit.

### **CEPA**

5.4 Through the Mainland and Hong Kong Closer Economic Partnership Arrangement (CEPA), Hong Kong laboratories accredited by HKAS are now allowed to co-operate with Mainland certification bodies to undertake testing for the China Compulsory Certification (CCC) System with regard to products processed in Hong Kong. As of March 2014, HKAS has accredited ten Hong Kong testing laboratories as capable of performing CCC testing. Five of the Hong Kong testing laboratories have entered into co-operation agreements with Mainland certification bodies for undertaking CCC testing.

5.5 Supplement X to CEPA was signed in August 2013. With effect from 2014, it allows relevant staff from Hong Kong's testing and certification industry to provide services on Mainland. The scope of testing services for the purpose of certification that can be undertaken by Hong Kong testing

laboratories is expanded from food to other areas of voluntary certification on a pilot basis in Guangdong Province. These new measures would enlist wider recognition of Hong Kong's testing and certification results by Mainland companies, thereby assisting the local industry in further exploring the Mainland market.

## VI. PROMOTION

HKCTC continued to promote 'Tested in Hong Kong, Certified in Hong Kong' to potential service users with the assistance from different parties. In Year 2013-14, HKCTC set up 15 promotion booths in trade fairs in Hong Kong and two promotion booths on the Mainland. During the same period, HKTDC has also helped to promote Hong Kong's testing and certification services by displaying promotional materials at 19 trade fairs outside Hong Kong. With assistance from HKAS and HKTDC, HKCTC also arranged 12 seminars to promote testing and certification services to buyers and manufacturers attending HKTDC's local trade fairs.

6.2 With assistance from HKAS, HKTIC and many veteran practitioners of the industry, HKCTC produced two more booklets in Year 2013-14 to promote Hong Kong's testing and certification services: one of the booklets is about testing and certification of electrical and electronic products and the other is about textile and apparel. The booklets have been distributed to international buyers and traders in HKCTC's booths at local trade fairs. Members of HKTIC also assisted to distribute the booklets to potential users of services. In Year 2013-14, three new leaflets were produced to promote the industry's services on (i) the quantification, validation and verification of green house gas; (ii) energy management system certification; and (iii) information security management system certification.

6.3 In November 2013, HKCTC set up a promotion booth in the InnoCarnival of the InnoTech Month held in the Science Park to introduce the testing and certification industry to students and the general public. The booth featured interactive games and displays, attracting around 10,000 visitors. To raise the industry profile, a series of 18 half-page advertorials were arranged in local Chinese and English newspapers from January to March 2014. Photos of the efforts on promotion of testing and certification services are at *Annex 4*.

Annex 4

## **VII. SUPPORT TO HKCTC**

### **Secretariat Support**

The Secretariat of the Hong Kong Council for Testing and Certification (the Secretariat) serves as the executive arm of HKCTC. It is a division under ITC headed by the post of Secretary-General (Testing and Certification) (SG(TC)).

7.2 Before April 2014, civil service establishments of the Secretariat were on a time-limited basis. As the long-term status of HKCTC was clarified in the Review Report issued in March 2013, and having regard to the workload of the Secretariat, the Government agreed that appropriate support should be provided to HKCTC on a long-term basis so as to realise its vision. To this end, all time-limited civil service posts of the Secretariat would be made permanent with effect from 1 April 2014 and two new permanent civil service posts would also be created to strengthen support.

7.3 The creation of the SG(TC) post on a permanent basis required approval from the Legislative Council (LegCo). As such, the Government consulted the LegCo Panel on Commerce and Industry in November 2013, and Members supported the work of HKCTC in general. The LegCo Establishment Subcommittee also considered the proposal in December 2013. Finally, the LegCo Finance Committee approved the proposal in January 2014.

7.4 With effect from 1 April 2014, there will be 11 permanent civil service posts in the Secretariat's establishment.

### **Resources**

7.5 The Government also provided financial support to HKCTC in the implementation of its initiatives. In Year 2013-14, the expenditure was roughly \$6,176,000. About 73% of the expenditure was spent on setting up booths in trade fairs, participating in InnoCarnival 2013, placing advertorials on newspapers and other publicities to promote Hong Kong's testing and certification services. The rest of the funds was related to organising seminars on various topics to enhance professional standard in the industry, e.g., diagnostic tests for concrete, practitioners' professionalism and certification of energy management systems, as well as other initiatives.

**Terms of Reference of  
Hong Kong Council for Testing and Certification**

To advise the Chief Executive on –

- (a) the overall development strategy of the industry;
- (b) new business opportunities worth exploring for the industry, having regard to latest developments in the Mainland and overseas markets;  
and
- (c) measures needed to raise the professional standing and community awareness of the industry.

**Membership List of  
Hong Kong Council for Testing and Certification**  
(until 31 December 2013)

**Chairman**

Professor CHING Pak-chung

**Members**

Dr CHOY Wai-fun, Priscilla

Mr FUNG Lap-chung, Richard

Professor KWAN Hoi-shan

Mr LAM Chun-hong, Dominic

Dr LAM Po-hing, Michael

Mr LAU Man-wai, Joseph

Ms LAW Sau-mui, Christina

Mr LEE Wai-kwok, Michael

Mrs LEUNG YANG Shih-ti, Marianne

Ir Dr Hon LO Wai-kwok

Dr SHUM Wan-lung, Aaron

Mrs Helen SUN LIN

Mr TING Wai-cheung, Bernie

Professor YAM Wing-wah, Vivian

Mr YEUNG King-chung, Spencer

Executive Director of Hong Kong Productivity Council or representative

Executive Director of Hong Kong Trade Development Council or representative

Executive Director of Vocational Training Council or representative

Director-General of Trade and Industry or representative

Commissioner for Innovation and Technology or representative

**Membership List of  
Hong Kong Council for Testing and Certification**  
(from January 2014)

**Chairman**

Professor CHING Pak-chung

**Members**

Mr CHAN King-wa, Felix

Dr CHOY Wai-fun, Priscilla

Mr FUNG Lap-chung, Richard

Mr KO Kwok-on, Andy

Professor KWAN Hoi-shan

Mr LAM Chun-hong, Dominic

Dr LAM Po-hing, Michael

Mr LAU Man-wai, Joseph

Ms LAW Sau-mui, Christina

Mr LEE Wai-kwok, Michael

Mrs LEUNG YANG Shih-ti, Marianne

Ir Dr Hon LO Wai-kwok

Ms NARDI Kar-wai, Agnes

Mr NG Ha-wai, Howie

Dr SHUM Wan-lung, Aaron

Mr TING Wai-cheung, Bernie

Professor YAM Wing-wah, Vivian

Mr YEUNG King-chung, Spencer

Executive Director of Hong Kong Productivity Council or representative

Executive Director of Hong Kong Trade Development Council or representative

Executive Director of Vocational Training Council or representative

Director-General of Trade and Industry or representative

Commissioner for Innovation and Technology or representative



**Membership List of Panels on Specific Trades**

- (a) Panel on Promoting Testing and Certification Services in Chinese Medicines Trade

**Convener**

Dr LAI Fook-ming, Lawrence

**Members**

Mr CHAN Yiu-tong, Tony

Professor CHAU Foo-tim

Dr CHOY Wai-fun, Priscilla

Ms CHUAH Ah-poh, Anne

Mr LAM Chun-hong, Dominic

Mr LAU Man-wai, Joseph

Mr LI Ying-sang, Tommy

Professor LIN Zhi-xiu

Mr TSANG Chiu-hing

Professor TSIM Wah-keung, Karl

Dr Albert WONG

Mr WONG Cho-hang, Stanley

Ms WONG Suet-ying, Alice

Professor ZHAO Zhong-zhen

Secretary-General of Hong Kong Council for Testing and Certification

Representative of Department of Health

Representative of Government Laboratory

Representative of Hospital Authority

Representative of Hong Kong Productivity Council

Representative of Vocational Training Council

(b) Panel on Promoting Testing and Certification Services in Construction Materials Trade

**Convener**

Mr LEE Shing-see

**Members**

Mr AU Yeung Chi-king, Artur

Mr CHAN King-wa, Felix

Mr Wilman CHAN (since 19.11.2013)

Mr CHEUNG Hau-hong, Vincent (till 30.9.2013)

Mr CHOW Ying-shun

Professor CHUNG Kwok-fai

Mr HO Kin-fung, Samson

Mr HUANG Jianmin (since 15.11.2013)

Professor KWAN Kwok-hung, Albert

Mr LEE Wai-kwok, Michael

Mr LEUNG Hon-chuen, Willie

Dr LO Yiu, Tommy

Mr PONG Chong, Edward

Mr TAM Tin-fong, Martin

Mr TSE Kin-hung, Coleman (till 30.9.2013)

Mr TSIEH Chi-kong, Joseph

Mr WONG Tin-cheung, Conrad

Secretary-General of Hong Kong Council for Testing and Certification

Representative of Development Bureau

Representative of Architectural Services Department

Representative of Buildings Department

Representative of Housing Department

Representative of Hong Kong Productivity Council

Representative of Hong Kong Trade Development Council

Representative of MTR Corporation

Representative of Vocational Training Council

(c) Panel on Promoting Testing and Certification Services in Food Trade

**Convener**

Mr LEUNG Wing-lup, Gregory

**Members**

Mr CHAN Chor-man, Chapman (till 30.9.2013)

Dr CHOY Wai-fun, Priscilla

Mr CHUNG Hung-hing, Ken

Dr HO Shiu-woon, Allen

Mr KO Kwok-on, Andy

Ms KWAN Ching-yi, Miranda (since 13.11.2013)

Professor KWAN Hoi-shan

Dr LAU Lok-ting, Terence

Mr LAU Man-wai, Joseph

Mr LO Tim-lun, Jacky (since 13.11.2013)

Professor MA Ching-yung

Mr Bryan PENG

Mr POON Kuen-fai, Richard

Mr WONG Ka-wo, Simon

Mr WONG Kit-lung, Simon (till 30.9.2013)

Professor WONG Wing-tak

Professor WONG Woon-chung, Jonathan

Mr WU Tze-chiu, Edmond

Mr YEUNG King-chung, Spencer

Secretary-General of Hong Kong Council for Testing and Certification

Representative of Food and Environmental Hygiene Department

Representative of Government Laboratory

Representative of Hong Kong Consumer Council

Representative of Hong Kong Productivity Council

Representative of Hong Kong Trade Development Council

Representative of Vegetable Marketing Organisation

Representative of Vocational Training Council

(d) Panel on Promoting Testing and Certification Services in Jewellery Trade

**Convener**

Mr WONG Kam-fai, Alan

**Members**

Ms CHAN Sin-hung, Catherine

Ms CHAN Wai-ching, Joanne

Mr CHEUNG Tak-hay, Haywood

Mr LAU Hak-bun, Dennis

Ms LEE Carlon, Stella

Mr LO Yick-sun, Louis

Mr MA Yung-yi, Lawrence

Mr MOK Wai-kei, Dominic (since 8.11.2013)

Dr SHUM Wan-lung, Aaron

Mr TSUI Kin-wah, Tommy

Professor YAU Hon-ming, Oliver

Ms YIP Oy-ling, Esther

Secretary-General of Hong Kong Council for Testing and Certification

Representative of Hong Kong Consumer Council

Representative of Hong Kong Productivity Council

Representative of Hong Kong Trade Development Council

Representative of Travel Industry Council of Hong Kong

Representative of Vocational Training Council

- (e) Panel on Promoting Testing and Certification Services in Environmental Protection Trade

**Convener**

Professor LAM Kwan-sing, Paul

**Members**

Dr Leonard CHOW

Dr CHOY Wai-fun, Priscilla

Dr CHU Ka-lok, Peter

Mr FUNG Lim-chee, Richard

Professor FUNG Tung

Ms HO Wai-ping, Linda

Mr KWAN Yuk-choi, James

Mr LAM Chun-hong, Dominic

Mr LEE Wai-kwok, Michael

Professor LEUNG Yiu-cheong, Dennis

Ir Dr Hon LO Wai-kwok

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Ms Jorine TAM

Mr Christopher TUNG

Mr WONG Lok-tak, Luther

Mr WONG Ming-yam

Mr WONG Tin-cheung, Conrad

Mr YEUNG King-chung, Spencer

Professor YIK W. H., Francis (till June 2013)

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Secretary-General of Hong Kong Council for Testing and Certification

Representative of Electrical & Mechanical Services Department

Representative of Environmental Protection Department

Representative of Consumer Council

Representative of Hong Kong Productivity Council

Representative of Vocational Training Council

- (f) Panel on Promoting Testing and Certification Services in Information and Communications Technologies Trade

**Convener**

Mr LEE Wai-kwong, Sunny

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Professor CHEUNG Wai-lok, David

Mr CHIU Chi-yeung, John

Dr IP Ngai-sang, Johnny

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Mr SUEN Hon-pia (till May 2013)

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Secretary-General of Hong Kong Council for Testing and Certification

Representative of the Office of the Government Chief Information Officer

Representative of Hong Kong Applied Science and Technology

Research Institute Company Limited

Representative of Hong Kong Cyberport Management Company Limited

Representative of Hong Kong Productivity Council

Representative of Vocational Training Council

**Efforts of Hong Kong Council for Testing and Certification to Promote  
Hong Kong's Testing and Certification Industry**



Trade Fairs in Hong Kong



SmartHK, Guangzhou



Overseas Trade Fairs





Promotion Leaflets Published in 2013-14



Promotion Booklets Series

全面支援香港檢測認證業

# 共用設施助企業節省成本

檢測認證具備專業能力、香港檢測認證和認證一直緊密合作，讓香港檢測認證行業的發展更穩健、更專業、更國際化。香港檢測認證、香港認可、創新科技產品標準及品質保證公司聯合舉辦「支援檢測認證研討會」，內容包括認證發展及提供介紹新地區有關計劃和設施，研討會反應踴躍。



香港檢測認證和認證中心與香港檢測認證、香港認可、創新科技產品標準及品質保證公司聯合舉辦「支援檢測認證研討會」。

香港檢測認證中心與香港檢測認證、香港認可、創新科技產品標準及品質保證公司聯合舉辦「支援檢測認證研討會」，內容包括認證發展及提供介紹新地區有關計劃和設施，研討會反應踴躍。

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### 資助計劃適合中小企業

香港檢測認證中心與香港檢測認證、香港認可、創新科技產品標準及品質保證公司聯合舉辦「支援檢測認證研討會」，內容包括認證發展及提供介紹新地區有關計劃和設施，研討會反應踴躍。

### 產品標準及認可服務

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### 科學園共用檢測設施

香港檢測認證中心與香港檢測認證、香港認可、創新科技產品標準及品質保證公司聯合舉辦「支援檢測認證研討會」，內容包括認證發展及提供介紹新地區有關計劃和設施，研討會反應踴躍。



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科學園共用檢測設施	
儀器科	生物科及生物中心
材料科學	環境及生態
化學	人工智慧及機械
電子	數據科學中心
	食品及食品科學
	醫學及生物科學
	工業工程
	材料科學
	能源及環境
	生命科學

### 提高技術能力

香港檢測認證中心與香港檢測認證、香港認可、創新科技產品標準及品質保證公司聯合舉辦「支援檢測認證研討會」，內容包括認證發展及提供介紹新地區有關計劃和設施，研討會反應踴躍。

# Accredited testing laboratories and certification bodies to give assurance on product safety

Hong Kong's testing and certification (T&C) industry is highly acclaimed for its integrity and high standards. It is identified as one of the industries in which the city enjoys distinct advantages and possesses good growth potential.

Over the Hong Kong competition in developing the T&C industry is to offer accreditation services. The Government and the Hong Kong Council for Testing and Certification (HKCTC) are working closely together to make improvements to the accreditation service to further support the industry development.

### Hong Kong Accreditation Service supports Testing and Certification Industry

The Hong Kong Accreditation Service (HKAS) mainly provides accreditation for laboratories, certification bodies and inspection bodies located in Hong Kong. It follows international standards and the needs of many product types (e.g. food and Chinese medicines). In addition to the testing, calibration, construction and consumer products.



Nelson Yip, Chairman of the Accreditation Advisory Board (AAB), the advisory body of HKAS.

By the end of 2013, there were 247 institutions accredited by HKAS, an increase of about 10 per cent compared to last year. It is expected to have similar growth this year, said Prof. Yip. The University of Technology, Hong Kong (UTHK) is the industry's Professional Testers' Association. "It helps the new entrants to understand the work of HKAS and provide better response to the changing needs of Hong Kong T&C industry," Prof. Yip said. "It improves certification, supports the standard of accreditation and enhances the professionalism of the practitioners in the field. HKAS also organizes a number of training activities such as seminars and workshops. This international accreditation and recognition of HKAS can be reflected by the active participation of its staff in activities of the international accreditation community. For example, they serve as regular contributors of regional and international accreditation cooperation bodies, as well as the lead evaluators and evaluators in a number of regional evaluations of accreditation bodies for purpose of establishing and maintaining mutual recognition arrangements, etc. This has served to uphold the international reputation of HKAS and to reflect greater recognition of HKAS' Professional Testers' Association."

### Keeping abreast with latest standards

HKAS accredits conformity assessment bodies in Hong Kong to ensure they meet standard through regular individual seminars and workshops often in its own or in conjunction with stakeholders. The industry is better equipped with updated technical knowledge and also the latest developments of regulatory requirements in our trading partners through their visits. For example, the seminar organized by HKAS in November 2013 invited practitioners in the field to the latest development of the EU's Toy Safety Directive and relevant testing standards. As such, the industry can better prepare for and then respond promptly to changing needs.

### Accreditation - An Indicator of Quality Assurance

Taking by testing a major test category carried out by local certification bodies, for example, Hong Kong major toy trading partners have announced to meet progressively tighter regulatory requirements for imported toys for safety concerns. Accredited laboratories are providing testing services for testing compliance with, for example, the United States Consumer Product Safety Act & Toy Regulations, the Australian Consumer Law, New Zealand's Toy Safety Act, as well as the relevant Mutual Recognition Agreements.

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related results on testing services for quality assurance. HKAS accredits about 200,000 to 250,000 testing for each product. "During the product design stage, we have engaged services from T&C organizations to ensure compliance with regulatory requirements on design and materials used in key products such as the EU's list of over 300 substances of very high concern (SVHC). Manufacturers have to be vigilant about the latest developments in their requirements to ensure compliance."

The majority of local manufacturing companies do not have designated and extensive and diverse various legislations and regulations implemented by overseas countries. To avoid financial loss caused by oversight or negligence of any aspect of the requirements, manufacturers rely on the T&C industry to keep them abreast with the latest requirements. In seeking testing service providers, Hong Kong has priority to HKAS accredited laboratories as their acknowledgment reports are widely recognized in many countries, including all of Hong Kong's major trading partners. Manufacturers can save time, money and effort by choosing reports from different laboratories for the same products exported to different countries.

### Information Box

Accreditation in Hong Kong is a voluntary, self-regulated system established by the Government's Hong Kong Accreditation Service (HKAS). Accreditation is an official recognition of competence of a testing and certification organization.

HKAS mainly provides accreditation for laboratories, certification bodies and inspection bodies located in Hong Kong.

Conferring accreditation benefits issued by HKAS accredited organizations are widely recognized worldwide.

Information of accredited bodies, including the scope of accreditation services and contact information, is available at HKAS website ([www.hksgp.hk](http://www.hksgp.hk)).

## Promotion of testing and certification on newspapers