

# **Hong Kong Council for Testing and Certification**

## **Report for 2018-19**

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## Foreword

I am pleased to report the work of the Council for the period April 2018 – March 2019.

Talent is the treasure of Hong Kong's testing and certification sector. Indeed, the sector's edge lies with the high level of professionalism, integrity and versatility of our practitioners. We need to continue attract high-quality new blood and retain them so as to sustain our competitiveness. As such, the Council set up a Panel on Manpower Development in June 2018 to step up our efforts in strengthening the sector's manpower resource. Through series of new publications, we will energise and facilitate new blood recruitment. By showcasing success stories of our young testing and certification experts, we hope to better bring out the diverse career prospect and mission of the sector to the next generation.

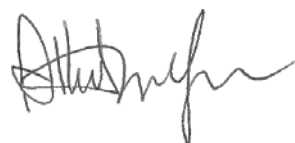
New opportunities have been made possible through various Mainland initiatives and mega developments in the past year. Last December, the Mainland authorities announced a major liberalisation measure. By extending the scope of China Compulsory Certification testing that may be undertaken by Hong Kong testing laboratories to cover all products manufactured or processed in the Mainland, the earlier restrictions on product category and geographic location have been lifted. The Outline Development Plan of the Greater Bay Area announced in February has rendered support to Hong Kong's testing and certification services. Meanwhile, the rapid development in technology has opened up new potential. Not only that new testings will be required for new smart products, new technologies such as robotics, warehouse automation and blockchain are now more readily available to enhance efficiency, productivity and customer service of our testing and certification bodies.

I am also glad to report new development in a number of business areas. The BEAM Society has been revising its assessment tool on BEAM Plus New Buildings, which would give credit to the use of certified building materials. This would provide an incentive to the private developers in making use of construction materials with certification. The first certificate under the Food Hygiene Standard Certification System developed by the Hong Kong Polytechnic University was issued in January 2019, signifying an important step in making use of certification to enhance the food hygiene standard of local catering establishments. To enable customers to identify authentic Chinese herbal medicine, the Hong Kong Productivity Council has kicked start the refinement work of its product certification scheme for Chinese Materia Medica.

On the general promotion front, we have started making use of new platforms, such as mobile app and lively comics to better reach out to the public and enhance our industry profile. The Council's website has been revamped to provide more customer-friendly access to information related to

testing and certification.

All the above has only been achieved with the collaborative efforts of many parties. I would like to express the Council's gratitude to all testing and certification bodies, trade and professional associations, tertiary institutions and public bodies which have supported our work in the past year. I look forward to another fruitful year by continuing to work with all our stakeholders.

A handwritten signature in black ink, appearing to read 'Albert Yu', written in a cursive style.

Professor YU Cheung-hoi, Albert  
Chairman  
Hong Kong Council for Testing and Certification  
9 May 2019

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## Abbreviations Used

APAC	Asia Pacific Accreditation Cooperation
APLAC	Asia Pacific Laboratory Accreditation Cooperation
BEAM	Building Environmental Assessment Method
CEPA	Mainland and Hong Kong Closer Economic Partnership Arrangement
CCC	China Compulsory Certification
CMM	Chinese Materia Medica
CNCA	Certification and Accreditation Administration of the People's Republic of China
EMC	Electromagnetic Compatibility
HKAS	Hong Kong Accreditation Service
HKPC	Hong Kong Productivity Council
HKTDC	Hong Kong Trade Development Council
ICAC	Independent Commission Against Corruption
ITC	Innovation and Technology Commission
LEP	Local Exhibition Programme
MOEP	Mainland and Overseas Exhibition Programme
MLA/ MRA	Multilateral Recognition Arrangements
OUHK	The Open University of Hong Kong
PAC	Pacific Accreditation Cooperation
PolyU	The Hong Kong Polytechnic University
PT	Proficiency Testing
SSSDP	Study Subsidy Scheme for Designated Professions/ Sectors
VTC	Vocational Training Council

## **I. HONG KONG COUNCIL FOR TESTING AND CERTIFICATION**

- Established in 2009 by the Government
- A non-statutory advisory body
- Terms of reference:  
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
- Annex 1 Membership list for the term of 2018-19 at Annex 1

### **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**

Adopt market-oriented approach to promote the development of the testing and certification industry

## II. INDUSTRY PROFILE (2017 FIGURES<sup>1</sup>)

### Number of Establishments

2.1 There were 820 establishments in Hong Kong engaging in testing, inspection and certification activities in 2017, of which 720 were private independent establishments –

Category	Number
Private independent establishments engaging in testing, inspection and certification activities as their major economic activity	720
Manufacturers and exporters engaging 100 persons or more and with in-house laboratories for testing activities	40
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)	60
<b>Total</b>	<b>820</b>

### Size of Private Independent Establishments

2.2 The vast majority (93%) of the private independent establishments were small and medium enterprises engaging fewer than 50 persons. They accounted for 26% of the total persons engaged and 32% of the total business receipts in the industry.

### Persons Engaged

2.3 The number of persons engaged in testing, inspection and certification activities was around 18 280 in 2017, of which 14 300 persons were engaged by private independent establishments. About 6 750 (47% of 14 300) were professionals and associate professionals whose main duties were to provide testing, inspection and certification services in the private independent establishments.

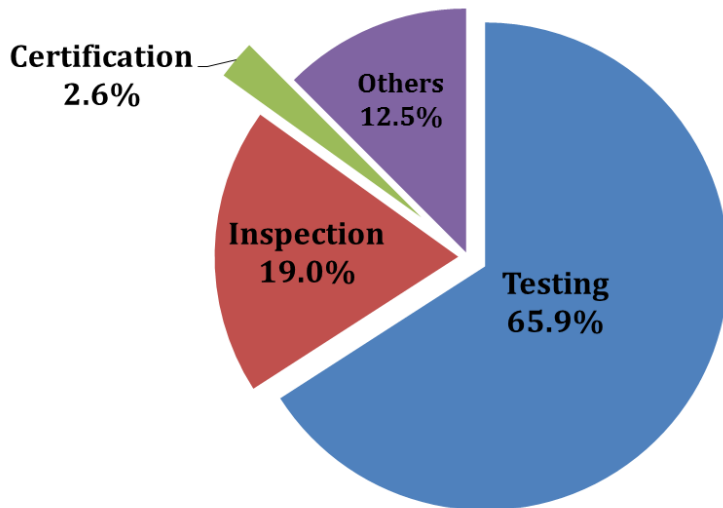
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<sup>1</sup> Based on a survey conducted by the Census and Statistics Department.



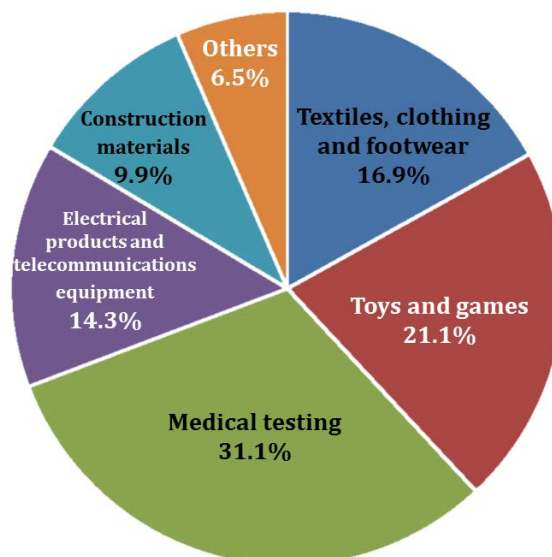
## Business Receipts

2.4 The total business receipts of private independent establishments in the industry were \$15 billion in 2017. The direct economic contribution to Hong Kong's Gross Domestic Product was \$7.5 billion. Breakdown of the business receipts are shown below:



2017

Business receipts by type of services



2017

Further breakdown of business receipts from testing services  
(Note : Percentages add up to less than 100% due to rounding.)

### **III. IMPROVEMENTS ON THE GENERAL FRONT**

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

#### **Accreditation Service**

3.2 The Hong Kong Accreditation Service (HKAS) under the Innovation and Technology Commission (ITC) continues to provide high-quality accreditation service, meeting the needs of the local testing and certification sector. In 2018-19, HKAS extended its accreditation service to conformity assessment bodies undertaking testing and certification of composite wood products under the US Environmental Protection Agency Toxic Substances Act Title VI Third-Party Certificate Programme.

3.3 To ensure high professional standards in delivering accreditation service, HKAS continued to arrange training workshops and courses for its staff and assessors to assist them in acquiring the skills necessary for new accreditation services. In mid-2018, two briefing sessions on ISO/IEC 17011:2017, a new version of the standard governing the operation of accreditation bodies, were conducted for HKAS officers. In early 2019, assessor training courses on ISO 15189:2012 (medical laboratories) and ISO/IEC 17025:2017 (testing and calibration laboratories) were held.

#### **Factors of Production**

##### Manpower

3.4 In 2018-19, the Council has taken a more focused approach in helping to attract new blood for the testing and certification sector. It also continued its efforts in enhancing the capabilities of industry practitioners.

##### *Attracting new blood*

3.5 In June 2018, the Council established the Panel on Manpower Development to consider ways to strengthen the manpower resource for the sector. The terms of reference and membership list of the Panel are set out at **Annex 2**. To better understand the employment challenges faced by the sector, the Panel invited human resource executives of testing and certification bodies to share their views. The Labour Department has also been invited to brief them on available employment services. The Panel

Annex 2

has also endorsed a work plan for producing a set of manpower resource package and a series of short videos to highlight the sector's mission and contribution to daily life, as well as job exposure and career prospect of testing and certification personnel. The resource package and the videos would be launched in 2019 for reaching out to the youngsters, parents and teachers.

3.6 The Council has continued to arrange a wide range of activities in 2018-19 to enhance students' understanding and interest in the testing and certification sector –

- (a) seven career talks and eight laboratory visits were organised for university and secondary students, and promotional booths were set up at four career fairs in universities with support from HKAS and industry practitioners;



Career Talk and Career Booth for Students

- (b) two visits to testing laboratories were organised for science teachers at secondary schools, in coordination with the Education Bureau and the Hong Kong Association for Science and Mathematics Education respectively;
- (c) co-ordination of internship opportunities was made for Summer 2018. More than 70 internship places offered by accredited organisations were relayed to the Vocational Training Council (VTC)/ local universities, and uploaded to the Council's website;
- (d) the Council and HKAS delivered two talks on accreditation, testing and certification to tertiary students; and
- (e) regarding the Teaching Kit on Chemical Testing for New Senior Secondary Curriculum developed in 2016, the Hong Kong Baptist University has recently developed a mobile app on colorimetric measurement, serving as an alternative for schools to purchase

specialised equipment for conducting a teaching kit experiment. The mobile app is now available for free download, and relevant content in the teaching kit has been updated accordingly.

3.7 The tertiary education sector has been offering more courses dedicated to testing and certification, ranging from sub-degree to postgraduate levels. For instance, the Technological and Higher Education Institute of Hong Kong expanded its full-time top-up Bachelor of Science Programme in Testing and Certification to a full-time four-year degree programme in September 2018. Besides, the Open University of Hong Kong (OUHK) launched a new Bachelor of Science in Testing Science and Certification programme in September 2018, which is its second full-time four-year undergraduate programme dedicated to testing and certification. The Hong Kong Polytechnic University (PolyU) will have its first batch of graduates in 2019 from the Bachelor of Science (Hons) Programme in Analytical Sciences for Testing and Certification.

3.8 The Government introduced in the 2015/16 academic year the Study Subsidy Scheme for Designated Professions/Sectors (SSSDP) to subsidise students to pursue designated full-time locally accredited self-financing undergraduate programmes in selected disciplines with keen manpower demand. OUHK's Bachelor of Engineering in Testing and Certification has been covered. Starting from the 2018/19 academic year, the Government has regularised SSSDP.

#### *Enhancing the capabilities of practitioners*

3.9 The Council, HKAS, VTC and the Government Laboratory organised around 50 seminars, workshops, short courses and other training events for practitioners in the testing and certification sector in 2018-19.



#### Seminars

3.10 Given that integrity is a cornerstone to the success and further development of the testing and certification sector, the Council has been

working closely with the Independent Commission Against Corruption (ICAC) and other stakeholders to promote integrity among industry players. For instance, the Council and the ICAC jointly organised two sessions of Anti-Corruption Workshop for Testing and Certification Organisations targeting frontline and managerial staff respectively in June 2018.

### Capital and Technology

3.11 Some testing laboratories have already started their journeys in adopting new technologies to improve productivity. In March 2019, a seminar was held to introduce the latest developments in robotics, warehouse automation and blockchain of which testing laboratories could make good use in enhancing operational efficiency and customer service.

3.12 The “Lab Test One” initiative jointly launched by the Hong Kong Productivity Council (HKPC) and the Hong Kong Science Park has enabled private testing laboratories to make use of laboratory facilities in the public sector for a reasonable fee. As of March 2019, “Lab Test One” covered 36 laboratories. In January 2019, HKPC set up a new multi-functional anechoic chamber to assist local testing laboratories to conduct electromagnetic compatibility (EMC) tests pursuant to the latest regulatory EMC requirements in Europe and US. This new anechoic chamber is particularly targeted for Internet of Things (IoT) equipment, wireless devices, medical equipment and robots.

3.13 Proficiency testing (PT) is crucial for the upholding of technical capability of our laboratories. In 2018-19, the Government Laboratory has organised two PT programmes on safety testing of food supplements and testing of inorganic arsenic in aquatic products.

### Premises

3.14 The “Nil Waiver Fee” measure has been introduced to facilitate the operation of testing and calibration laboratories in industrial buildings. Upon approval of application, the Government will exempt the waiver fees that would otherwise be chargeable for issuing waivers to allow the use of such laboratories under a general industrial land lease. The waiver applications concerning three testing laboratories have already been approved under this measure.

#### **IV. NEW OPPORTUNITIES IN DIFFERENT BUSINESS AREAS**

4.1 In 2018-19, the Council has continued to adopt a focused yet flexible approach in promoting testing and certification services in different business areas.

##### Promotion of New Testing and Certification Services

4.2 PolyU has developed the Food Hygiene Standard Certification System. It is tailor-made for the local catering establishments, especially the small and medium enterprises, for enhancing food hygiene standard. The Council has been working with PolyU to introduce this certification system to different stakeholders in the food industry via various channels. In late January 2019, a local catering establishment was awarded with the first certificate to this new food hygiene standard.

4.3 The BEAM Society, owner of Building Environmental Assessment Method (BEAM), has been revising its assessment tool on BEAM Plus New Buildings, a voluntary green building labelling scheme on building quality and sustainability performance. In the new version, use of certified building materials would be given credit in the assessment of a new building. This new move is expected to give more incentive to private developers in adopting construction materials product certification. The BEAM Society has conducted a pilot run and is planning to roll out the revised BEAM Plus scheme in 2019. The Council has been liaising with the BEAM Society to organise seminars and briefings on the new requirements with a view to promoting wider adoption of construction materials product certification schemes.

4.4 The HKPC has earlier developed a product certification scheme for Chinese Materia Medica (CMM) to help users identify safe and authentic CMM. To better meet the trade's need, HKPC has kicked start in January 2019 the refinement to the scheme, which is expected to be completed in two years' time.

##### The Mainland and Hong Kong Closer Economic Partnership Arrangement (CEPA)

4.5 Continuous efforts are being made to further liberalise the Mainland market for Hong Kong's testing and certification sector.

4.6 In December 2018, the CEPA Agreement on Trade in Services was

amended, by way of Exchange of Letters, to extend the scope of China Compulsory Certification (CCC) testing that can be undertaken by Hong Kong testing organisations. Starting from 1 March 2019, the scope covers all products that are manufactured/ processed in the Mainland requiring CCC. In the same month, the Mainland and Hong Kong signed the Agreement on Trade in Goods under CEPA. It set out the general direction of exploring mutual recognition of conformity assessment results between the two sides, aiming at trade facilitation.

4.7 Under the CEPA Agreement on Economic and Technical Cooperation signed in June 2017, the Mainland would consider recommending an eligible certification body located in Hong Kong to join the International Electrotechnical Commission System for Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE) as a National Certification Body (NCB) of China. Nomination was open for application between September and November 2018. An independent Nomination Panel (comprising academics and professionals) has completed its assessment on all eligible applications, and passed its recommendation to the Certification and Accreditation Administration of the People's Republic of China (CNCA) for consideration. CNCA has agreed to the recommendation, and the result was announced in March 2019.

4.8 The Outline Development Plan for the Guangdong-Hong Kong-Macao Greater Bay Area was promulgated in February 2019. It reinforces that the implementation of liberalisation measures for Hong Kong's service sectors under CEPA will be deepened. It also mentions supporting Greater Bay Area enterprises in using services of Hong Kong such as testing and certification.

4.9 The above developments are envisaged to create new opportunities for the local testing and certification sector to play a more important role in the Mainland and overseas, fostering the sector's long-term growth.

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

### **International and Regional Participation**

5.1 HKAS has been participating actively in the international accreditation community. In November 2018, HKAS hosted a training workshop for member bodies of the Asia Pacific Laboratory Accreditation Cooperation (APLAC) on the new edition of ISO/IEC 17025 (testing and calibration laboratories). Besides, HKAS contributed two articles to the newsletters of International Laboratory Accreditation Cooperation (ILAC) in 2018.

5.2 Through the multilateral mutual recognition arrangements administered by international and regional accreditation cooperations, endorsed reports and accredited certificates issued by HKAS-accredited organisations are now recognised by 103 accreditation bodies in 102 economies, including Hong Kong's major trading partners. In December 2018, HKAS successfully extended its signatory status under the Pacific Accreditation Cooperation (PAC) Multilateral Recognition Arrangements (MLA) to cover the Occupational Health and Safety Management System (OHSMS) certification. HKAS also became a signatory to the MLA of International Accreditation Forum (IAF) for Energy Management System (EnMS) certification and Greenhouse Gas Validation/Verification in April and October 2018 respectively.

5.3 On 1 January 2019, APLAC and PAC merged to become a single regional accreditation cooperation, namely Asia Pacific Accreditation Cooperation (APAC). HKAS is now a signatory to the APAC Mutual Recognition Arrangements (MRA) for all activities originally covered by the scope of recognition under the APLAC MRA and PAC MLA. HKAS will continue to participate actively in APAC activities and seek to gain wider international recognition.



## VI. PROMOTION

### Enhancing Different Sectors' Understanding of the Benefits Brought by Testing and Certification

6.1 The Council has continued to promote the branding of 'Tested in Hong Kong, Certified in Hong Kong' to potential service users, and introduce to different industries the value that testing and certification could bring to them.

6.2 In 2018-19, the Council organised ten seminars on a wide range of topics such as cybersecurity, underground utility survey, and latest development of certification. Focused efforts were paid in promoting accredited ISO 22000 food safety management system certification to targeted users via different platforms. For instance, we made presentation at the Food and Environmental Hygiene Department's seminars held in April and August 2018 targeting prospective restaurant licence applicants. At the October and November 2018 training workshops organised by the Department of Health for primary school teachers, we presented the value of ISO 22000 certification in selecting school lunch box suppliers. An article featuring ISO 22000 certification was published in a parenting magazine in June 2018 in a bid to reach out to parents.

6.3 In the past year, the Council set up promotional booths in 19 trade fairs targeting a wide range of business areas. With assistance of the Hong Kong Trade Development Council (HKTDC) and the Hong Kong Association for Testing, Inspection and Certification, we arranged 12 seminars to promote testing and certification services to local, Mainland and overseas buyers and manufacturers attending these trade fairs. During the year, HKTDC has also assisted the Council by displaying promotional materials at 24 trade fairs outside Hong Kong. Advertorials were published in the HKTDC Medical Devices and Supplies Magazine and the HKTDC World SME Magazine.

6.4 In 2018-19, the Council continued with its Local Exhibition Programme (LEP) as well as the Mainland and Overseas Exhibition Programme (MOEP) by inviting testing and certification bodies to join our booths at selected trade fairs. The Council was responsible for the booth rental, design and production costs, whereas the testing and certification bodies were only required to deploy their staff at the booth to assist in promoting the strengths of Hong Kong's testing and certification services. Having regard to the positive feedback on LEP over the past years, in

2018-19, we added the Hong Kong International Lighting Fair (Autumn Edition), bringing the total number of fairs under this programme to three<sup>2</sup>. As for the MOEP, it continued to cover the China Hi-tech Fair held in Shenzhen and the Spielwarenmesse International Toy Fair held in Germany.

6.5 In the past year, the Council published 13 advertorials in newspapers, covering a wide range of topics such as environmental testing and certification, CEPA, ISO/IEC 27001 Information Security Management System certification, jewellery testing, medical laboratory accreditation, etc. The third issue of HKCTC Newsletter was published in October 2018, with a feature story on medical laboratory accreditation.

### Enhancing Industry Profile and General Awareness

6.6 As a new initiative, the Council has been preparing a series of 30 comic strips to further promote the importance of testing and certification services in our daily life. The comics have started to be published in a free local newspaper every Tuesday and Thursday since mid-February 2019 so as to enhance public awareness of the importance of testing and certification in an interesting and lively manner. Aiming to extend the readership, we also published selected comic strips in a newspaper mobile app in March 2019.

6.7 In November 2018, the Council participated in the annual InnoCarnival to introduce testing and certification services to students and the general public. Our booth attracted over 5 000 visitors. Besides, during the year, we have lined up a public guided tour to the Standards and Calibration Laboratory, as part of the “Science in the Public Service” (科學為民) Programme.

6.8 In light of the success of last year’s summer activities for secondary school students, we organised six sessions of “Summer Laboratory Workshops on Chemical Testing for Senior Secondary School Students” between June and July 2018. Some 200 students from 15 secondary schools participated and they were given opportunities to carry out experiments in the Council’s teaching kit. In addition, we collaborated with the Education Bureau to organise a talk for secondary school teachers in June 2018 to promote testing and certification in the Liberal Studies Curriculum. Representatives of HKAS and Government Laboratory were invited to speak on the applications of testing and certification in environmental protection. The talk was well attended and received very positive feedback.

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<sup>2</sup> The other two were the Hong Kong Fashion Week for Spring/Summer and the Food Expo.

6.9 The Council has again collaborated with the Hong Kong Association for Science and Mathematics Education to organise the third Digi-Science Video Production Competition. The theme for 2018-19 was ‘Testing Science for Green Living’. In collaboration with the Hong Kong New Generation Cultural Association, the Council sponsored, for the third time, the HKCTC Special Award for the best testing-related entries joining the Hong Kong Youth Science and Technology Innovation Competition 2018-19.

6.10 The Council’s website ([www.hkctc.gov.hk](http://www.hkctc.gov.hk)) has been revamped. The revamped website, launched in March, adopts a user-oriented approach to enable different user groups (i.e. testing and certification bodies and practitioners, testing and certification service users, teachers and students, as well as the general public) to obtain information they need in just a few clicks, hence enhancing the accessibility of such information.

6.11 Photos showing the Council’s various promotion initiatives are enclosed at **Annex 3**.

Annex 3

## **VII. SUPPORT TO THE COUNCIL**

### **Secretariat Support**

7.1 The Council is served by the secretariat as its executive arm, which is staffed by 11 members under the permanent establishment of the Innovation and Technology Commission.

### **Resources**

7.2 The Government provides financial support to the Council in the implementation of its initiatives. In 2018-19, the expenditure incurred was approximately \$5.8 million (excluding staff emolument<sup>3</sup>).

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<sup>3</sup> All personal emoluments and personnel related expenses of the staff in the Secretariat are met by the ITC from its recurrent operating expenditure.

**Membership List of  
Hong Kong Council for Testing and Certification  
(1 January 2018 – 31 December 2019)**

**Chairman**

Professor YU Cheung-hoi, Albert

**Members**

Ir CHAN Kin-sek, Raymond

Mr CHAN King-wa, Felix

Mr CHAN Wai-fung, Raymond

Ir HO Chi-shing

Professor HO Kin-chung

Mr HSU Tsun-fai, Marvin

Mr KO Kwok-on, Andy

Mr LAM Kar-kin, Kenneth

Ms LAM Yuen-shan, Stephanie

Dr LI Hung-wing

Ms NARDI Kar-wai, Agnes

Ms TANG Mui-fun, Karen

Ms TSE Pui-pui, Pearl

Mr WAI Siu-bong, Basil

Mr YEUNG Chi-wah, Harry

Dr YUNG Wai-hung, Raymond

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

Government Chemist or representative

Commissioner for Innovation and Technology or representative

**Panel on Manpower Development  
(27 June 2018 – 31 December 2019)**

**Terms of Reference**

- a) To serve as a platform for stakeholders to exchange views on the manpower development need of the testing and certification sector
- b) To promote cooperation among stakeholders to nurture the manpower needed by the testing and certification sector
- c) To consider ways to strengthen the manpower resource to support the testing and certification sector
- d) To promote awareness of professional development of testing and certification personnel

**Membership List**

**Convener**

Mr CHAN King-wa, Felix

**Members**

Professor HO Kin-chung

Mr LAM Chun-hong, Dominic

Mr LAM Kar-kin, Kenneth

Ms LAM Yuen-shan, Stephanie

Dr LAU Hing-keung, George

Mr Trevor LEE

Dr LI Hung-wing

Dr LO Yiu, Tommy

Professor MAK Yiu-wing, Joseph

Ms NARDI Kar-wai, Agnes

Ms TSE Pui-pui, Pearl

Mr YAU Kwok-keung, Daniel

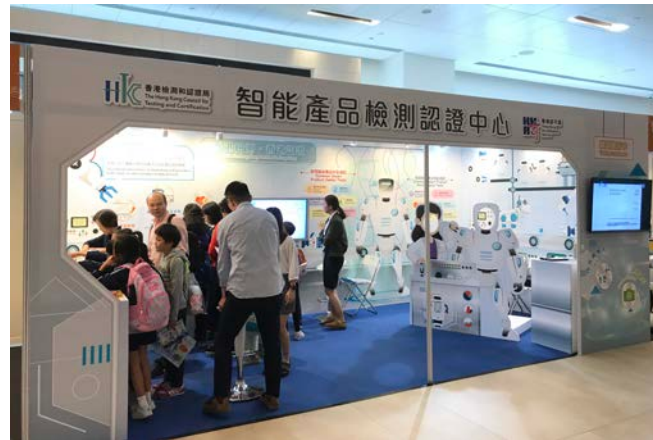
Mr YEUNG Chi-wah, Harry

General Manager, Qualifications Framework Secretariat or representative

Executive Director of the Vocational Training Council or representative

Secretary-General, Hong Kong Council for Testing and Certification

**Efforts of Hong Kong Council for Testing and Certification in Promoting Hong Kong's Testing and Certification Sector**



InnoCarnival 2018



Food Expo



China Hi-Tech Fair





Spielwarenmesse International Toy Fair



Visit to Standards and Calibration Laboratory



Summer Laboratory Workshops



## 香港檢測機構助環保 為市民企業帶來安心

環保檢測機構為市民的生活及健康帶來保障，更為一些對環境的生活環境，以環保生活為前提，多項的檢測，提供對市民生活環境中質素帶來十分重要，確保生活環境的質素。

**環境監察及監察服務部 經理 鄧志強**

環境監察及監察服務部是香港檢測機構的其中一個部門，負責監察及監察環境質素，包括空氣、水質、噪音、土壤、光污染、電磁干擾等。該部門的工作是確保環境質素符合相關標準，並為市民提供有關環境質素的資料及建議。

**室內空氣質素專家 李國強**

室內空氣質素專家負責監察及監察室內空氣質素，包括甲醛、苯、氡、二氧化碳等。該專家的工作是確保室內空氣質素符合相關標準，並為市民提供有關室內空氣質素的資料及建議。

**專業儀器服務部 經理 李國強**

專業儀器服務部負責提供專業儀器服務，包括儀器校準、儀器維修、儀器租賃等。該部門的工作是確保儀器準確可靠，並為市民提供有關儀器服務的資料及建議。

**專業儀器服務部 經理 李國強**

專業儀器服務部負責提供專業儀器服務，包括儀器校準、儀器維修、儀器租賃等。該部門的工作是確保儀器準確可靠，並為市民提供有關儀器服務的資料及建議。

## 認可醫務化驗所 信心和質素的保證

醫務化驗所是市民健康的重要保障，大眾亦關心，在機會使用不同類型的醫務化驗所，保證醫務化驗所的信心和質素，市民應選擇「認可醫務化驗所」，保證醫務化驗所的信心和質素。

**「香港醫務化驗所計劃」認可**

「香港醫務化驗所計劃」是由香港醫務化驗所協會主辦，旨在提高醫務化驗所的信心和質素。該計劃的認可標準包括：儀器準確可靠、技術人員專業、服務態度良好等。

**化驗所必須具備紀錄**

化驗所必須具備紀錄，包括儀器校準紀錄、儀器維修紀錄、儀器租賃紀錄等。該紀錄是保證醫務化驗所的信心和質素的重要保證。

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## Student Science Competitions Focus On Testing And Certification

Reliable testing and certification (TAC) plays an essential part in many aspects of our daily life. In particular, it helps safeguard consumer interests and improve the overall quality of different products and services. With this in mind, two recent competitions for secondary students in Hong Kong focused on the development of innovative, cost-effective and eco-friendly testing solutions. It was a chance for students to show their creativity on top of their critical thinking and problem-solving skills. It is also intended to raise a better understanding of why customer-based testing is seen as increasingly important.

### HKCTC Special Award

The HKCTC Special Award is presented to the student who has demonstrated exceptional skills in testing and certification. The award is presented to the student who has demonstrated exceptional skills in testing and certification.

**香港檢測和認證局 特別獎**

香港檢測和認證局特別獎是頒發給在測試和認證方面表現傑出的學生。該獎項是頒發給在測試和認證方面表現傑出的學生。

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## Video Contest

The Video Contest is a competition for students to create videos about testing and certification. The contest is open to all secondary schools in Hong Kong.

**Video Contest 冠軍**

Video Contest 冠軍是頒發給在視頻比賽中表現傑出的學生。該獎項是頒發給在視頻比賽中表現傑出的學生。

**Video Contest 亞軍**

Video Contest 亞軍是頒發給在視頻比賽中表現傑出的學生。該獎項是頒發給在視頻比賽中表現傑出的學生。

## 查理家族 講個「信」字？

要知道產品是否符合相關品質和安全規格，就應要求供應商提供測試、檢驗或認證報告。

收鋪返嚟啦？  
 唉...今日畀客投訴...咪打算拎返嚟研究下囉。  
 成日都係咁嘅？到底係個供應商問題，還是你唔好彩呢？  
 但係供應商拍心口話冇問題嘍...  
 極可疑！但點知有問題丫？  
 唔~呢個問題都要研究下。

香港檢測和認證局 The Hong Kong Council for Testing and Certification www.hkctc.gov.hk

## 查理家族 我要 check 清楚

香港的測試實驗室可提供運動服性能測試，例如可伸拉度等，協助生產商符合質量和性能的要求。

哇！你件衫好靚嗰！  
 係呀，新買架！  
 喂...你條褲...  
 哇呀...  
 我要 check 清楚先買架！

香港檢測和認證局 The Hong Kong Council for Testing and Certification www.hkctc.gov.hk

Promotion of Testing and Certification on Local Newspapers and Magazines