

**For discussion
on 17 May 2011**

**Legislative Council
Panel on Commerce and Industry**

Progress Report of the Hong Kong Council for Testing and Certification

PURPOSE

This paper briefs Members of the work of the Hong Kong Council for Testing and Certification (HKCTC) in promoting further development of the testing and certification industry in 2010/11.

BACKGROUND

2. In September 2009, Government established HKCTC to advise on the overall development strategy and initiatives for promoting the growth of the testing and certification industry. Members of HKCTC come from the testing and certification industry, business sector, relevant professional bodies, public organisations as well as Government departments. The Council is serviced by the Innovation and Technology Commission (ITC).

3. In March 2010, HKCTC submitted a Report on the three-year market-oriented development plan for the testing and certification industry to the Chief Executive. In the Report, HKCTC recommended the adoption of a dual approach – making improvements on the general front whilst putting focused effort on specific trades with particular potentials. This Panel was briefed on the Report on 20 April 2010.

IMPROVEMENTS ON THE GENERAL FRONT

4. Improvements on the general front include two major aspects: accreditation service and factors of production for the testing and certification industry.

Accreditation Service

5. One of Hong Kong's strengths in developing its testing and certification industry is the robust accreditation services provided by ITC's Hong Kong Accreditation Service (HKAS). HKAS's accreditation services are of high standard and have good reputation internationally.

6. Since the release of Report by HKCTC, HKAS has been working closely with stakeholders to deliver more and better accreditation services in response to the industry's needs. The total number of accredited organisations¹ increased from 204 in April 2010 to 216 (+5.9%) in April 2011. The majority of the new accredited organisations are testing laboratories.

7. HKAS has enhanced its services through recruiting new staff and external assessors, strengthening internal management systems and refining accreditation criteria. It has also launched new accreditation services in different areas, for example:

- (a) identification of Chinese herbal medicines by microscopic examination and physicochemical methods;
- (b) certification of food safety management system to ISO 22000 standard;
- (c) testing of selected products for the China Compulsory Certification (CCC) system; and
- (d) radiation measurement for food and other products.

8. In the coming year, HKAS will explore the launch of new accreditation services, such as:

- (a) authentication of food by species identification using DNA sequences analysis;
- (b) testing for the US Energy Star product certification program;
- (c) certification of occupational health and safety management system to OHSAS 18001 standard; and
- (d) new types of pharmaceutical product testing.

HKAS will continue to monitor closely local and overseas development to see

¹ accredited organisations – refers to testing laboratories, inspection bodies and certification bodies accredited by HKAS

if other new types of accreditation are needed.

Factors of Production

9. HKCTC has recommended that Government enhance the competitiveness of the industry through the following four factors of production:

- (a) manpower;
- (b) technology;
- (c) capital; and
- (d) land.

(a) Manpower

10. The two main target groups of HKCTC's efforts in the manpower aspect are students and practitioners in the industry.

11. For students, to increase their awareness and understanding of the industry so as to assist the industry to attract talents :

- (i) HKCTC had coordinated industry representatives to give eight career talks in six universities (programme and photo of a recent career talk are at **Annex A**). The Vocational Training Council (VTC) is also organising seven career talks in the second semester of 2010/2011 Academic Year for graduating students from full time applied science and engineering courses; and
- (ii) HKCTC wrote to all accredited organisations in January 2011 to invite offers for internship for summer 2011. Around 90 places have been offered so far and they have been sent to universities and VTC for follow up. The number does not reflect all the summer internship opportunities in the industry as some companies already have long-established internship arrangements with universities and VTC. Separately, VTC has organised internship program for about 90 students to accredited laboratories from April 2010 to March 2011. It is now organizing internship for its students from May 2011 to August 2011. Altogether VTC will help about 200 students to gain hands-on experience in the industry.

Annex A

12. For practitioners in the industry, to enhance their skills and professionalism:

- (i) HKCTC, HKAS, VTC and Government Laboratory have organised more than 60 technical seminars/workshops/short courses since April 2010 (*Annex B* shows some photos of technical seminars). Local and overseas experts were invited to share latest technical knowledge on a wide range of topics including testing in specific field (e.g. food, electrical products, toys and radiation), accreditation requirements, measurement uncertainty, chemistry metrology, product certification, etc;
- (ii) the Independent Commission Against Corruption (ICAC) has been invited to speak in several seminars on professional ethics and corruption prevention, as high integrity of practitioners is one of the competitive edges of Hong Kong in developing the testing and certification industry; and
- (iii) Government provided funding in October 2010 through the SME Development Fund to a trade association for the development of a voluntary professional recognition scheme for the industry. The scheme will be launched in around a year's time. The scheme will further help to promote professionalism for practitioners in the industry.

Annex B

(b) Technology

13. To encourage wider use of the Innovation and Technology Fund (ITF) to enhance the technical capability of the industry, ITC has taken the following initiatives:

- (i) introduced ITF at three seminars for the industry;
- (ii) introduced ITF through HKAS's newsletter which was distributed to all accredited organisations; and
- (iii) featured testing and certification prominently in the new ITF application form when ITC made improvements to the ITF

mechanism earlier this year.

14. New international standards may be introduced from time to time. These new standards will be discussed at the relevant technical committees of the standards setting bodies first. To promote knowledge of international standards and to assist the testing and certification industry to keep abreast of the latest development in international standards, ITC invited various stakeholders (including accredited organisations, tertiary education institutes, trade associations, etc.) to take part in the technical committees of the International Organisation for Standardisation (ISO) in 2010.

(c) Capital

15. In its Report, HKCTC acknowledged that the testing and certification industry generally did not have much difficulty in financing their capital investment. Nevertheless, HKCTC has recommended that Government should step up promotion of the Small Enterprise Research Assistance Programme (SERAP) and shared facilities provided by Hong Kong Productivity Council (HKPC) and the Science Park. SERAP is a technology entrepreneur programme under ITF. Efforts had been stepped up to promote SERAP as detailed in para.13 above.

16. HKPC and the Science Park have been promoting their facilities to the industry through seminars/workshops and promotional articles in HKAS newsletters. HKCTC has also helped HKPC and the Science Park in the promotion, e.g. HKCTC organised a seminar cum facilities tour to HKPC in October 2010 with over 150 participants.

(d) Land

17. While the stock in industrial and commercial premises in Hong Kong should generally be able to cope with the demand of the testing and certification industry, HKCTC will continue to closely monitor the situation. During the Stage One Public Engagement of the Planning and Engineering Study on Development of Lok Ma Chau Loop, HKCTC received a briefing by the Planning Department and reflected the views of the industry to the Planning Department. In brief, HKCTC members considered that it was too early to forecast the demand for land from the industry at the Lok Ma Chau Loop at this point in time but suggested that testing and certification should be one of the

permitted land uses.

FOCUSED EFFORT ON SPECIFIC TRADES

18. HKCTC has identified good opportunities to promote the use of testing and certification services in the following four selected trades :

- (a) Chinese medicines;
- (b) construction materials;
- (c) food; and
- (d) jewellery.

19. HKCTC has set up a panel for each of the four selected trades, comprising members from the relevant trade, the testing and certification industry, academia, relevant Government departments and public bodies (membership lists are at *Annex C*). These panels provide platforms for stakeholders to develop and promote new testing and certification services in the selected trades.

Annex C

(a) Chinese medicines

20. HKCTC's Panel on Promoting Testing and Certification Services in Chinese Medicines Trade (the CM Panel) agreed that there would be potential demand for authentication of Chinese medicines. Testing laboratories may authenticate Chinese herbal medicines by microscopic examination and physicochemical methods in accordance with the Hong Kong Chinese Materia Medica Standards (HKCMMS). At present, HKCMMS covers 60 types of Chinese herbal medicines and will expand to cover about 200 by 2012.

21. As HKAS has launched accreditation service for identification of Chinese herbal medicines by microscopic examination and physicochemical methods (para.7(a) refers), it is necessary to facilitate testing laboratories to obtain accreditation. The CM Panel has decided to take the following initiatives:

- (i) coordinate inter-laboratory comparison studies for both microscopic examination and physicochemical methods. Such studies are essential for testing laboratories to demonstrate its technical

capability when applying for accreditation from HKAS; and

- (ii) liaise with local universities on the feasibility of arranging short courses for practitioners working in testing laboratories to equip them with the necessary technical skills, in particular for microscopic examination for which the know-how is not common in the local testing industry presently.

22. The CM Panel will explore other initiatives that, apart from bringing new opportunities to the testing and certification industry, will benefit the Chinese medicines trade and the consumers at larger, such as some forms of product certification scheme. This is complex and the CM Panel has formed an expert group to conduct a more in-depth study.

(b) Construction materials

23. The major work focus of HKCTC's Panel on Promoting Testing and Certification Services in Construction Materials Trade (the Construction Panel) is on product certification services for construction materials. Product certification for concrete has been introduced for many years to provide for better quality assurance. It is now a standard requirement for Government construction projects because concrete quality relates directly to the safety and durability of buildings and infrastructure.

24. In recent years, certification bodies have introduced product certification services for new types of construction materials. The Housing Authority is now taking the lead in requiring product certification for fire rated doors and panel wall partitions, cement products, ceramic tiles, tile adhesive, repair mortar and aluminum window by phases with a view to upgrading the quality of its buildings and setting an example for the local construction industry. To build on the initiative of the Housing Authority, the Construction Panel has set up a Task Force to work with concerned Government departments and the construction industry to promote wider use of product certification of construction materials in both public and private construction projects.

25. Apart from product certification for the construction materials mentioned above, the Construction Panel is also identifying the needs and priorities for the development of product certification services for new types of construction materials.

(c) Food

26. HKCTC's Panel on Promoting Testing and Certification Services in Food Trade (the Food Panel) has initially identified potential needs for new testing and certification services in two areas:

- (i) certification services for food safety management system – HKAS has introduced accreditation service for certification bodies certifying food safety management system to ISO 22000 standard. This will attract more service providers for ISO 22000 certification and enhance competition. Separately, the Food Panel is now exploring the feasibility of introducing an HACCP²-based food safety management certification service that will take into account the local situation and would be more easily adopted by small and medium enterprises; and
- (ii) authentication of high-valued food – currently authentication of high-valued food is primarily based on examination by experienced persons. There is a growing demand for more objective and scientifically-based tests to increase the confidence in authentication. Advanced analytical methodologies that may be used include DNA sequences analysis, chemical finger-printing, etc. As most of these authentication methods are either not yet available or have not been fully validated for high-valued food, there is a lot of room for further R&D in this area. Recently, a university successfully applied for ITF funding to develop testing methods for authentication of selected high-valued food, e.g. abalone, dried scallop.

27. Apart from the above, the Food Panel will study and provide suggestions to HKAS on whether it should accord priority to develop accreditation service for certification bodies providing organic food certification services.

(d) Jewellery

28. There are three types of Fei Cui, namely jadeite jade, kosmochlor and omphacite. The local jewellery trade developed standard testing methods for

² HACCP – the Hazard Analysis Critical Control Point System

jadeite jade in 2004. The availability of standard testing methods has resulted in improvements to the business of jadeite jade. HKCTC's Panel on Promoting Testing and Certification Services in Jewellery Trade (the Jewellery Panel) has identified a demand for the development of standard testing methods for kosmochlor and omphacite, the other two types of Fei Cui. HKCTC has sponsored a reputable professional association in the jewellery trade to develop a consolidated set of standard testing methods and arrangement of technical workshops for practitioners. The project is targeted for completion in late 2012. This initiative is strongly supported by the Customs and Excise Department.

29. Apart from Fei Cui, the Jewellery Panel will look into whether there is strong potential demand for development of new testing services (e.g. testing of pearls) in Hong Kong.

30. The Jewellery Panel has formulated a plan to step up the promotion of Hong Kong's existing accredited testing services for jadeite jade and diamond, including :

- (i) production of pamphlets for distribution to retail shops through trade associations and at entry points in Hong Kong for visitors; and
- (ii) production of stickers for distribution to retail shops through trade associations. The stickers are for retail shops to indicate that they could arrange for the issue of testing reports from accredited laboratories.

The Jewellery Panel is now working on the designs of pamphlets and stickers and plans to launch the initiative in a few months' time.

SEEKING WIDER RECOGNITION OF HONG KONG'S ASSESSMENT RESULTS

Overseas Market

31. Through its active participation in international organizations for accreditation, HKAS has so far concluded multilateral mutual recognition arrangements (MMRAs) with over 75 accreditation bodies in about 60

economies. It is now seeking extension of its MMRA to cover environmental management system certification and product certification.

Mainland Market

32. Under the Supplement VII to the Mainland and Hong Kong Closer Economic Partnership Arrangement (CEPA) signed in May 2010, testing laboratories in Hong Kong are allowed for the first time to co-operate with designated Mainland organisations in testing products for the China Compulsory Certification (CCC) System on a pilot basis, for selected products processed in Hong Kong. These testing laboratories have to be accredited by the HKAS as capable of performing tests for the relevant products.

33. Implementation details of the CEPA measures were announced in January 2011 and have been uploaded to the websites of HKCTC and HKAS. Four types of products processed in Hong Kong are included in the pilot:

- (a) toy;
- (b) switches, protective devices and connection devices for electrical installations;
- (c) information technology equipment; and
- (d) lighting apparatus.

34. Since Hong Kong is not a nation, it cannot join international multilateral systems on mutual recognition of testing and certification that are open to national member bodies. With Supplement VII to CEPA, Hong Kong's testing laboratories can apply to the Certification and Accreditation Administration of the People's Republic of China (CNCA) to join multilateral systems on mutual recognition in which CNCA is a national member body.

35. HKCTC co-organised with HKAS and the Trade and Industry Department a seminar on "Business Opportunities for Testing and Certification in the Mainland of China" on 28 February 2011. Mainland officials were invited to brief the industry on the implementation details of CEPA measures. The seminar was well received with about 220 participants.

36. The new measures under CEPA are a good start and have responded to the demand of the industry. They will provide Hong Kong's testing laboratories with more opportunities to provide testing services in the Mainland,

thus promoting trade between the two places.

PROMOTION

Promotion of Hong Kong's Testing and Certification Services

37. HKCTC, HKAS and the Hong Kong Trade Development Council (HKTDC) have formulated an extensive programme to promote the branding of "Tested in Hong Kong, Certified in Hong Kong" to potential service users both locally and outside Hong Kong through HKTDC's platforms.

38. With the assistance of HKTDC, HKCTC and HKAS set up promotional booths in local trade fairs and promotional panels in the Hong Kong Pavilion organised by HKTDC in trade fairs outside Hong Kong. A list of trade fairs participated and photos showing a promotional booth are *at Annex D, E* **Annex D**. Advertisements (sample at **Annex E**) to promote Hong Kong's testing and certification services are placed in catalogues of local trade fairs. Moreover, HKCTC is now producing a promotional video for use at trade fairs.

39. HKTDC has also organised seminars to promote Hong Kong's testing and certification services at selected trade fairs. Where appropriate, meetings with overseas journalists have also been arranged with representatives from HKCTC and/or HKAS during trade fairs. HKTDC also invites industry players to participate and promote their services at HKTDC's outbound missions.

ADVICE SOUGHT

40. Government will continue to work closely with HKCTC on the promotion of the testing and certification industry in Hong Kong. Members' views will be most welcomed.

Programme and Photo of a Recent Career Talk

Career Talk Series 2011



Career Day I

Date: 25 March 2011 (Friday)
Time: 2:00 p.m. to 6:30 p.m.
Venus: Y301, Lee Shau Kee Building (Block Y), The Hong Kong Polytechnic University

[General Session]

2:00p.m. **Career Talk: Why internship would help your employability?**
Mr. Almon Kwan - *FDMT Consultant*

[Testing and Accreditation]

2:30p.m. **Hong Kong Association for Testing, Inspection and Certification**
Mr. Felix Chan - *Vice-chairman*

3:00p.m. **Intertek Testing Services H.K. Ltd.**
Speaker to be confirmed

[Chemical Technology Related Industry]

3:30p.m. **Nice Dyeing Factory Limited** (A subsidiary of Texwinca Holdings Limited)
Ms. Ann Fung – *Human Resources Manager*
Ms. Kylie Wu – *Human Resources Officer*

4:00p.m. **Alumni Sharing**
Mr. Benny Lam – *Graduate of B.Sc.(Hons.) in Chemical Technology*
Mr. Ling Hon-lun – *Graduate of B.Sc.(Hons.) in Chemical Technology*

[TCM and Medicine]

5:00p.m. **Ling Nam Medicine Factory (HK) Limited**
Dr. Timothy TAM – *Manager*

Enquiry : 3400-8802 (Ms. Penny Ho)

 THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學

Department of
Applied Biology and
Chemical Technology



Technical Seminars



Annex C

Membership List of HKCTC's Panels

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

Convener

Dr. Lai Fook-ming, Lawrence, BBS, JP

Members

(i) Chinese Medicine Trade

Mr. Li Ying-sang, Tommy, BBS, MH, JP	Hong Kong Chinese Medicine Industry Association
Mr. Tsang Chiu-hing	Chinese Medicine Merchants Association
Dr. Albert Wong	Modernized Chinese Medicine Industry Association
Mr. Wong Cho-hang, Stanley	Hong Kong Chinese Prepared Medicine Traders Association
Ms. Alice Wong	Eu Yan Sang (Hong Kong) Limited

(ii) Academics

Prof. Chau Foo-tim	Hong Kong Polytechnic University
Prof. C T Che	Chinese University of Hong Kong
Prof. Karl W K Tsim	Hong Kong University of Science and Technology
Prof. Zhao Zhong-zhen	Hong Kong Baptist University

(iii) Testing and Certification Industry

Mr. Tony Chan	SGS Hong Kong
Ms. Anne Chuah	Hong Kong Standards and Testing Centre

(v) Government Departments and Public Organisations

Mr. Dominic Lam	Hong Kong Council for Testing and Certification
Mr. Joseph Lau, BBS, JP	Hong Kong Council for Testing and Certification

Secretary-General, 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 Hong Kong Trade Development Council

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

Convener

Mr. Lee Shing-see, GBS, OBE, JP

Members

(i) Construction Materials Trade

Mr. Samson Ho	Hong Kong Fire Protection Association
Mr. Martin Tam	Group 2 (Building Materials) of Federation of Hong Kong Industries; Industrial Committee (Building Construction) of the Chinese Manufacturers' Association of Hong Kong (CMA)
Mr. Joseph Tsieh	Hong Kong Marble and Granite Merchants Association
Mr. Edward Pong, BBS, JP	Shiu Wing Steel Ltd

(ii) Professionals/Contractors/Users

Mr. Conrad Wong, JP	Hong Kong Construction Association
Mr. Artur Au Yeung	Wong & Ouyang (HK) Ltd
Mr. Vincent Cheung	Maeda Corporation
Mr. Joseph Chow, OBE, JP	Joseph Chow and Partners Ltd
Mr. Chow Ying-shun	Ex-Project Manager, Highways Department
Mr. Albert Lai	MTR Corporation Ltd
Mr. Derrick Pang	Chun Wo Construction & Engineering Company Ltd

(iii) Academics

Prof. Albert Kwan	University of Hong Kong
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Dr. Tommy Lo	City University of Hong Kong
Prof. Poon Chi-sun	Hong Kong Polytechnic University

(iv) Testing and Certification industry

Mr. Felix Chan	Fugro Testing Services Ltd.
Mr. Willie Leung	PROVA Inspection & Testing Co. (HK) Ltd.
Mr. Coleman Tse	Hong Kong Quality Assurance Agency

(v) Government Departments and Public Organisations

Mr. Michael Lee	Hong Kong Council for Testing and Certification
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Secretary-General, 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 Vocational Training Council

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

Convener

Mr. Gregory Leung, SBS

Members

(i) Food trade

Mr. Wong Ka-wo, Simon, JP	Food Council
Mr. Wong Kit-lung, Simon	The Institution of Dining Art and LH Group
Mr. Ken Chung	DCH Logistics Co. Ltd.
Dr. Allen Ho	The Dairy Farm Group
Mr. Richard Poon	On Kee Dry Seafood Co. Ltd
Mr. Edmond Wu	Calbee Four Seas Co. Ltd

(ii) Academics

Prof. Ma Ching-yung	University of Hong Kong
Prof. Jonathan Wong	Hong Kong Baptist University

Prof. Wong Wing-tak

Hong Kong Polytechnic University

(iii) Testing and certification industry

Mr. Chapman Chan	CMA Testing and Certification Laboratories
Mr. Andy Ko	China Dragon Inspection & Certification (HK) Ltd.
Dr. Terence Lau	Hai Kang Life Corporation Ltd.

(v) Government Departments and Public Organisations

Mr. Richard Fung	Hong Kong Council for Testing and Certification (HKCTC)
Prof. Kwan Hoi-shan, JP	HKCTC
Dr. Michael Lam	HKCTC
Mr. Joseph Lau, BBS, JP	HKCTC
Mr. Spencer Yeung	HKCTC

Secretary-General, HKCTC
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 Vegetable Marketing Organisation

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

Convener

Mr. Alan Wong

Members

(i) Jewellery Trade

Ms. Catherine Chan	Hong Kong Jewellery & Jade Manufacturers Association
Mr. Leung Sik-wah	Hong Kong Jewellers' & Goldsmiths' Association
Mr. Lawrence Ma	Diamond Federation of Hong Kong, China
Mr. Aaron Shum	Hong Kong Jewelry Manufacturers' Association

(ii) Academics and Professional Bodies

Mr. Louis Lo	Gemmological Association of Hong Kong
Ms. Stella Lee	Gemological Institute of America
Prof. Yau Oliver H M	City University of Hong Kong

(iii) Testing and Certification Industry

Ms. Joanne Chan	Hong Kong Jade & Stone Laboratory
Mr. Tommy Tsui	China Gems Laboratory
Ms. Esther Yip	NGTC (HK) Ltd

(iv) Public Organisations

Mr. Raymond Sit	Travel Industry Council of Hong Kong
Representative of Hong Kong Consumer Council	
Representative of Hong Kong Productivity Council	
Representative of Hong Kong Trade Development Council	
Representative of Vocational Training Council	
Secretary-General, Hong Kong Council for Testing and Certification	

Annex D

Trade Fairs

- HKCTC and HKAS set up promotional booths in local trade fairs and promotional panels in Hong Kong Pavilion organised by HKTDC in trade fairs outside Hong Kong. Trade fairs participated included:
 - (a) Hong Kong International Building and Decoration Materials & Hardware Fair
 - (b) China Hi-Tech Fair (Shenzhen)
 - (c) World SME Expo (Hong Kong)
 - (d) International Consumer Electronics Show (Las Vegas)
 - (e) Hong Kong Toys & Games Fair
 - (f) Hong Kong Fashion Week for Fall/Winter
 - (g) Spielwarenmesse International Toy Fair (Nurnberg)
 - (h) Hong Kong International Jewellery Show
 - (i) Hong Kong Electronics Fair - Spring Edition
 - (j) Hong Kong International Lighting Fair - Spring Edition
 - (k) Hong Kong International Textile Fair
 - (l) Hong Kong Houseware Fair

- Major local trade fairs planned to join in 2011 at the moment include:
 - (a) SmartHK (May in Guangzhou)
 - (b) HKTDC Summer Sourcing Show for Gift, Houseware & Toys (Jul)
 - (c) Hong Kong Fashion Week for Spring/Summer (Jul)
 - (d) HKTDC Food Expo (Aug)
 - (e) International Conference & Exhibition of the Modernization of Chinese Medicine & Health Products (Aug in Hong Kong)
 - (f) Hong Kong Electronics Fair – Autumn Edition (Oct)
 - (g) Hong Kong International Lighting Fair – Autumn Edition (Oct)
 - (h) Eco Expo Asia (Oct)

- An example of promotional booth at trade fairs:



Advertisement



The advertisement is a collage of images showing various testing and certification services. At the top, there are four panels: '建築及電子產品' (Structural and Electronic Products) showing a tunnel-like structure; '食品' (Food) showing a person in a white lab coat handling food; '玩具及兒童產品' (Toys and Children's Products) showing a person working with a white teddy bear; and '珠寶' (Jewellery) showing a person using a handheld device to inspect a piece of jewelry. Below these images is a large blue banner with the text '香港檢測 香港認證' (Tested in Hong Kong Certified in Hong Kong) and 'Tested in Hong Kong Certified in Hong Kong'. Underneath the banner are three blue rounded rectangles containing the text: '高度專業誠信 High professional integrity', '廣獲國際承認 Recognised Internationally', and '技術水平卓越 High technical competence'. Below the banner are four more panels: '建築材料' (Construction Materials) showing a person working with machinery; '醫療化驗' (Medical Testing) showing a person using a microscope; '中醫藥' (Chinese Medicine) showing a person working with a mortar and pestle; and '紡織及成衣' (Textiles and Garments) showing a person working with fabric. At the bottom of the advertisement, there is a blue box with the text: '香港認可處認可的實驗室、檢驗機構和認證機構所提供的品質檢定，可提高顧客對你的產品和服務的信心' (Quality assurance provided by laboratories, inspection bodies and certification bodies accredited by Hong Kong Accreditation Service could enhance customers' confidence in your products and services). To the right of this text is the HKAS logo, which consists of the letters 'HKAS' in a stylized font. Below the blue box is a yellow box with the text: '想找合適的獲認可機構，請瀏覽香港認可處網站' (To find a suitable accredited organization, please visit the website of Hong Kong Accreditation Service) and the website address 'www.hkas.gov.hk'.

香港認可處認可的實驗室、檢驗機構和認證機構所提供的品質檢定，
可提高顧客對你的產品和服務的信心

Quality assurance provided by laboratories, inspection bodies and
certification bodies accredited by Hong Kong Accreditation Service could
enhance customers' confidence in your products and services

想找合適的獲認可機構，請瀏覽香港認可處網站
To find a suitable accredited organization, please visit the
website of Hong Kong Accreditation Service

www.hkas.gov.hk