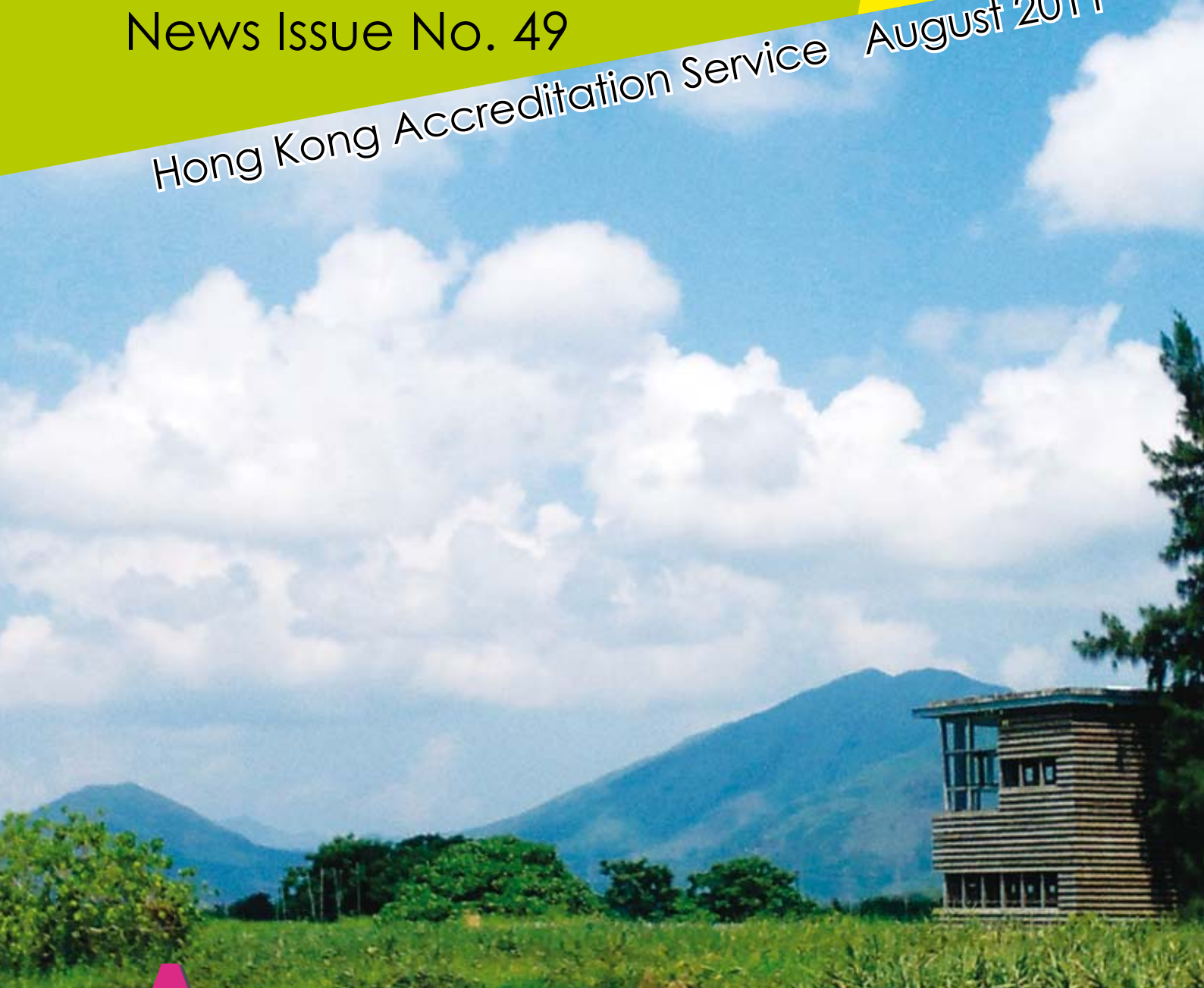


# HKAS



News Issue No. 49

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Every care has been taken to check the accuracy of the information included in this newsletter. However, HKAS Executive does not guarantee its accuracy and readers should note that if they make use of such information, they do so at their own risk. The views and opinions in the articles provided by third parties do not reflect those of HKAS Executive.

# Accreditation Service To CCC Testing Under CEPA Supplement VII

**Starting** from 26 January 2011, HKAS is ready to accept applications for accreditation of testing in the following product types under the China Compulsory Certification (CCC) System. This service is provided under a pilot scheme agreed in the Supplement VII of the Mainland and Hong Kong Closer Economic Partnership Arrangement (CEPA):

1. Toys
2. Switches, protective devices and connection devices for electrical installations
3. Information technology equipment
4. Lighting apparatus

The Arrangement allows testing laboratories in Hong Kong accredited by HKAS to cooperate with designated Mainland organizations to undertake testing of products processed in Hong Kong for the CCC System. The HKAS accreditation demonstrates the laboratories' capabilities in testing relevant products under the CCC System. The laboratories shall also comply the following requirements:

- Article 11 of the Measures for the Administration of Certification Bodies, Inspection Bodies and Laboratories under the CCC System and other relevant regulations;
- Relevant products' CCC implementation rules;
- Specified guidance documents of accreditation issued by the China National Accreditation Service for Conformity Assessment (CNAS); and
- All related documents for laboratory accreditation issued by HKAS



## Procedures for approval of Hong Kong's testing laboratories to conduct CCC testing

1. A testing laboratory in Hong Kong accredited for the CCC testing by HKAS may discuss terms and conditions for cooperation with designated CCC certification bodies.
2. When agreement has been reached, the terms and conditions for cooperation must be submitted to the Certification and Accreditation Administration of the People's Republic of China (CNCA) for final approval.
3. HKAS and CNCA will publish a list of approved Hong Kong's testing laboratories which have entered into cooperation agreements with designated certification bodies under the CCC System in their official websites to notify the public.

HKAS will monitor the performance of these laboratories and CNCA will be informed of any suspension. For more information on procedures and requirements, you can visit our website at <http://www.itc.gov.hk/en/quality/hkas/cepa.htm>. You may also contact our senior accreditation officer Mr. K. W. Chen at (+852) 2829 4826 for further details. ■



# Accreditation of the First Forensic Testing Laboratory to ISO/IEC 17025:2005

**The Forensic Science Division (FSD)** of the Government Laboratory (GL) is the first forensic testing laboratory accredited by HKAS to the ISO/IEC 17025:2005 in March 2011.

The assessment was conducted by an assessment team comprising HKAS officers and three overseas technical experts from the National Measurements Institute, Australia, the Division of Analytical Laboratories, Sydney West Area Health Service, New South Wales, Australia and the LGC Standards, in the UK.

The FSD of the GL provides a wide range of forensic examination services to law enforcement agencies for cases involving criminal offences in different categories of work including examination of DNA, contact evidence, physical evidence, controlled substances, questioned documents, toxicology and crime scene investigation.



**The assessment team**

In 1985 the Analytical and Advisory Division of the GL became the first laboratory to be accredited by HKAS whilst the Forensic Science Division of the GL has been accredited by the American Society of Crime Laboratory Directors / Laboratory Accreditation Board (ASCLD/LAB) under the Legacy Programme since 1996. ASCLD/LAB is the largest and oldest accreditation body for forensic science; the standards and requirements are customized for crime laboratories and are not easily met. Being an accredited ASCLD/LAB laboratory has facilitated the FSD to equip its staff with the necessities to provide analytical results of the highest standards of integrity and quality to the criminal justice system.

Although the Legacy Programme is internationally recognized but with the advent of progressive global transition of forensic science accreditation programmes to the ISO/IEC 17025:2005 standard and the anticipated availability of accreditation service locally, the FSD began its preparation for the transition in 2009. In December 2010, Hong Kong Accreditation Service (HKAS) announced the provision of accreditation to laboratories in the new test category of Forensic Testing in accordance with ISO/IEC 17025:2005 requirements and the FSD sought the accreditation service of HKAS.

Forensic testing accreditation under the HOKLAS scheme encompasses the ISO/IEC 17025:2005 general requirements and the HOKLAS supplementary criteria for forensic testing. Transition to the new ISO standard has provided an array of opportunities for the FSD to further enhance and strengthen its quality system as the standard has an expansion in a number of requirements in both technical and management areas. HKAS offers a wide selection of other test categories of accreditation under

ISO/IEC 17025:2005 standard and covers non-crime FSD test areas that fall outside the ASCLD/LAB accreditation scope for crime laboratories such as hair drug testing in screening and monitoring the rehabilitation of drug-abusers. The transition has also helped to unify the quality management systems within the GL as both of her operational Divisions are now accredited to the same international standard.

ISO/IEC 17025 accreditation contributes positively to the global development of forensic science. It assists to harmonise practices between laboratories which in turn facilitates local and international collaboration. As accreditation bodies providing the ISO accreditation are normally signatories to the multilateral mutual recognition arrangements of one or more international Cooperations such as the International Laboratory Accreditation Cooperation (ILAC), it provides accredited laboratories with recognition of analytical results amongst laboratories in the international framework.

Having its own forensic science accreditation programme enables Hong Kong to continue to sustain international recognition and live up to the Government's commitments to the Testing and Certification services. As some international accreditation systems are customized to comply with legal, federal/state requirements as stipulated in their jurisdictions, these may not be appropriate for local laboratories. The HOKLAS supplementary criteria for forensic testing were developed in consideration of local laws, regulations and practices to address and cater for the unique situations in Hong Kong and provide a more realistic and attainable means of formal recognition of competence in forensic testing for local laboratories which assists in the promotion and development of forensic science in the region. In the long term, this helps to foster a bonding between the local and international forensic laboratories and to increase awareness of the importance of forensic science testing in the criminal justice system.

FSD is the largest forensic service provider in Hong Kong. Being compliant with the ISO/IEC 17025 standard provides FSD with solid foundation for its quality system to extend its service to other service scopes and it strives to widen its contribution to the international forensic community. ■



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*This article is contributed by the Government Laboratory, the Government of the Hong Kong Special Administrative Region.*

# New Design of HKAS Accreditation Symbols

The accreditation symbols for HKAS accreditation programmes have been revised. An identification code is added at the bottom to show the type of accreditation.

Identification Code	Type of Accreditation
TEST	testing laboratories other than medical testing laboratories
CAL	calibration laboratories
MED	medical testing laboratories
MS	management system certification bodies
PRD	product certification bodies
PTP	proficiency testing providers
RMP	reference material producers

Organisations accredited for more than one programme under the same accreditation scheme may also use combined accreditation symbols. Criteria for using the new symbols are given in the revised HKAS Supplementary Criteria No. 1. Existing documents including letterheads or promotional leaflets/brochures of accredited organisations bearing the old designs of HKAS accreditation symbols may continue to be used until 1 November 2012. The new symbols have to be used for all new documents starting from 1 November 2010. Accredited organisations sublicensed to use the ILAC Laboratory Combined MRA Mark and/or the IAF Combined MLA Mark are required to use the new symbols in the combined marks immediately. For more details, you can download HKAS Supplementary Criteria No. 1 at <http://www.itc.gov.hk/en/quality/hkas/publication.htm>. ■



# ILAC Laboratory Combined MRA Mark and IAF Combined MLA Mark

HKAS has signed agreements with the International Accreditation Forum, Inc. (IAF) and International Laboratory Accreditation Cooperation (ILAC) to use their Multilateral Recognition Arrangement (MLA) and Mutual Recognition Arrangement (MRA) marks respectively. HKAS may sublicense the use of the marks to its accredited organizations. The marks allow easy recognition of organisations accredited by ILAC MRA/IAF MLA signatories.

Laboratories accredited by HKAS for testing and calibration are eligible to apply for using the ILAC Laboratory Combined MRA Mark (Figure 1). Accredited certification bodies accepted by HKAS for quality and environmental management certifications are eligible to apply for using the IAF Combined MLA Mark (Figure 2). The use of the marks is voluntary and free of charge.

The combined marks can be used on endorsed test reports, calibration certificates and accredited certificates for Quality Management System (QMS) and Environmental Management System (EMS). They may also be used on letterheads, quotations for work, advertisements, websites, etc.

Criteria governing the use of the combined marks are given in the HOKLAS Supplementary Criteria No. 41 (for ILAC Laboratory Combined MRA Mark) and HKCAS Supplementary Criteria No. 5 (for IAF Combined MLA Mark), which were issued in November 2010. For additional information and enquiries, please contact our Senior Accreditation Officer Dr. Eric Sze at [etpsze@itc.gov.hk](mailto:etpsze@itc.gov.hk). ■



Figure 1:  
Sample ILAC Laboratory  
Combined MRA Mark



Figure 2:  
Sample of IAF Combined  
MLA Mark

# Accreditation Service for US Environmental Protection Agency ENERGY STAR® Program



HKAS has been accepted by the US Environmental Protection Agency (US EPA) as a recognized accreditation body under ENERGY STAR Program. The US EPA ENERGY STAR program is used by millions of consumers in US as well as other parts of the world to identify products with reduced energy consumption to protect the environment. The program has grown to encompass more than 60 product categories.

In 2010, US EPA worked with a wide range of stakeholders to develop, seek feedback, and implement enhancements to the testing and verification aspects of the ENERGY STAR program. Started from January 1, 2011, all ENERGY STAR product partners are required to follow a new set of third-party certification procedures. Under the new procedures, products may no longer be submitted to US EPA for qualification. New products must be certified by an EPA-recognized Certification Bodies (CB), and testing must be done by laboratories accredited to ISO/IEC 17025 by EPA-recognized bodies and recognized by US EPA. Information of the ENERGY STAR third-party certification program can be found at: [http://www.energystar.gov/index.cfm?c=partners.enhanced\\_test\\_verification](http://www.energystar.gov/index.cfm?c=partners.enhanced_test_verification).

The HKAS accreditation service for laboratories testing electrical and electronic products under the ENERGY STAR program commenced on 20 May 2011. HKAS is also ready to accept applications for accreditation of ENERGY STAR product certification bodies from 12 July 2011. Details of these accreditation services, including HOKLAS Supplementary Criteria No. 46 “Accreditation Criteria Specific for HOKLAS – ENERGY STAR® Program Laboratory for testing Electrical and Electronic Products”, HKCAS Supplementary Criteria No.2 “Accreditation of Programme for Product Certification” and relevant application forms, are available from our website.

ENERGY STAR Process Flow Diagram in the following website explains the product qualification process: [http://www.energystar.gov/ia/partners/downloads/mou/ES\\_Process\\_Flow\\_Diagram\\_and\\_Explanation.pdf](http://www.energystar.gov/ia/partners/downloads/mou/ES_Process_Flow_Diagram_and_Explanation.pdf).

Interested laboratories and certification bodies may send applications to HKAS for accreditation. If you have any queries on the ENERGY STAR program, please contact our Senior Accreditation Officer Mr. Nick Leung at [ccleung@itc.gov.hk](mailto:ccleung@itc.gov.hk). ■



# HKAS Assessor and Lead Assessor Seminars 2011

## HKAS Assessor Seminar 2011

The HKAS Assessor Seminar 2011 was held on 14 February at the YMCA Hotel. The number of attendees reached a record high of 183.

The seminar started with a warm welcome speech from Mr. Terence Chan, Executive Administrator of HKAS. Mr. Chan reported the progress and development of HKAS in 2010. There were totally 211 accredited organizations, representing a 4.5% increase over 2009. The accredited laboratories continued to perform well in 2010 as demonstrated by their results in proficiency testing. 98.3 % of proficiency testing results were found satisfactory when compared with the 97.6% in 2009. 13 laboratories and 2 inspection bodies had been accepted into monitoring plan B (3-year reassessment cycle), representing an increase of 7 laboratories and 1 inspection body from 2009.

Several new accreditation services had been launched, including reference material producers (RMP), testing according to the Hong Kong Chinese Materia Medica (HKCMM) Standards, forensic testing, and testing of the China Compulsory Certification (CCC) System. The use of IAF Combined MLA Mark and ILAC Laboratory Combined MRA Mark were also introduced last year. Many new services were being developed and scheduled to be launched in 2011, such as certification to Food Safety Management System (FSMS), Occupational Health and Safety Management System (OHSMS), Information Security Management System (ISMS).

In recognition of the remarkable contributions to HKAS, certificates of appreciation were presented to 3 technical assessors, Ms. Sandra Ho, Mr. Chan Wai Pong and Mr. Cheung Wai Yuen. They had conducted HKAS assessments for over 150, 100 and 50 days respectively. Mr. Chan also presented certificates of accreditation to the representatives of organizations accredited in 2010.

Two distinguished guest speakers then gave informative presentations. Dr. Tam Wai Ming, Senior Chemist of the Government Laboratory introduced the services of Forensic Testing Laboratories. Forensic testing is the application of a broad spectrum of sciences to answer



Mr. Terence Chan



Ms. Sandra Ho



Mr. Cheung Wai Yuen



Mr. Chan Wai Pong

questions of interest to law enforcement. The services covered by forensic testing include the following areas: scene of crime investigation, DNA analysis, trace contact evidence, toolmark, impression evidence, controlled substances, forensic toxicology and questioned document. He explained each service in detail and illustrated with lots of photos and examples.



Mr. Tam Wai Ming



Ms. Eileen Lau

Ms. Eileen Lau, Chief Corruption Prevention Officer of ICAC talked about 'How to Protect Yourself from Corruption Pitfalls'. She highlighted important aspects of "Prevention of Bribery Ordinance", and illustrated with examples of "Private Interest" and "Conflicts of Interest". She also discussed some tactics for managing potential conflict of interest.

The assessors were then divided into 4 discussion groups: i) chemical and microbiological testing; ii) construction materials testing; iii) medical testing; and iv) calibration, electrical & electronic, textiles & garments, and physical & mechanical testing. Each discussion group shared valuable information of their technical aspects, including the latest update of testing and accreditation requirements, estimation of uncertainties, common non-conformities encountered, calibration and traceability of measurement, and case studies. The assessors shared their fruitful experiences and participated actively during the group discussions. Positive and encouraging feedbacks were received.



Group for chemical testing and microbiological testing



Group for construction materials testing



Group for Medical Testing



Group for calibration, electrical & electronics, textiles & garments and physical & mechanical testing

## HKAS Lead Assessor Seminar 2011

The HKAS Lead Assessors Seminar 2011 was held in the afternoon, which served as a platform to disseminate latest update of assessment procedure and to harmonise practices among lead assessors. Case studies on some difficult situations encountered during assessments were also discussed. ■



Lead Assessor Seminar



## Accreditation Service for Testing to the New EU Regulation on Food Contact Materials

Food contact materials (FCMs) may contain hazardous substances. If these substances are released to the food they contain, the health of people consuming the food will be at risk. To minimize the health risks that may arise from polyamide and melamine plastic kitchenwares, the European Commission adopted the Regulation No.284/2011 (<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2011:077:0025:0029:EN:PDF>), which specified procedures for the import of these FCMs originating in or consigned from Hong Kong and the People's Republic of China. FCMs made of polyamide and melamine are required to comply to the requirements of the release of primary aromatic amines (PAA) and formaldehyde, as laid down in European Directive 2002/72/EC.

In April 2011, HKAS started to accept application for laboratory accreditation for testing of PAA and formaldehyde in FCMs. HKAS also organized a seminar in the same month that focused on testing practices to the European Directive 2002/72/EC. For more information, you may contact our senior accreditation officer Mr. W. W. Wong (+852) 2829 4813 for details. ■

# HKAS Extended its IAF and PAC MLA Signatory Status to cover EMS and Product Certification

During the general assembly meeting of the Pacific Accreditation Cooperation (PAC) on 16 June 2011 in Manila, Mr. Terence Chan, the Executive Administrator of HKAS signed the PAC Multilateral Recognition Arrangement (MLA) for accreditation of Environmental Management System (EMS) certification and product certification. Signatories to the MLA recognize each other's accreditation and recommend other parties to recognize the same. The HKAS accreditation for QMS certification has already been recognized by both the PAC and International Accreditation Forum (IAF) MLAs since 2003 and 2004 respectively.

Following with the signing of the PAC MLAs, HKAS has been accepted by IAF as a Member of the IAF MLA for the EMS and Product Certification Body Accreditation on 12 July 2011. The achievement of worldwide recognitions will significantly improve the acceptance of EMS and product certifications granted by HKAS accredited certification bodies. Besides, as product certification programs such as US EPA ENERGY STAR® will only recognize certification bodies accredited by IAF MLA partners, the extension of IAF MLA to cover product certification will allow HKAS accredited product certification bodies to provide corresponding product certification services.

For more details on the IAF MLA partners for QMS, EMS and Product certification, please visit the HKAS website at <http://www.itc.gov.hk/en/quality/hkas/hkcas/agreement.htm>.



# Accreditation for Medical Proficiency Testing Programmes

In late August/early September 2010, Ms. Penny Petinos and Mr. Ross Tinniswood, were invited to carry out two assessments on proficiency testing providers using the new International Standard ISO/IEC 17043:2010 “Conformity assessment – General requirements for proficiency testing”. The providers for two programmes were subsequently accredited on the same day at the end of October 2010.

The first programme is the WHO Influenza EQAP for the molecular detection of influenza viruses using polymerase chain reaction. It is administered by the Virology Division of Public Health Laboratory Services Branch which is accredited by HKAS to ISO 15189 since 2005. The Virology Division is a regional WHO reference laboratory for influenza. It is commissioned by the World Health Organisation (WHO) to run its External Quality Assurance Programme (EQAP) for all national influenza centres and reference laboratories around the world for influenza since 2007.

The other programme is the Viral Serology Programme run by the Hong Kong Institute of Medical Laboratory Sciences Quality Assurance Programme Ltd. (HKIMLSQAP). The Quality Assurance Programme under HKIMLSQAP first started in 1990 as an activity of the Hong Kong Medical Technology Association (HKMTA), a scientific society established in 1966. HKIMLSQAP was set up in 2005 for the purpose of providing proficiency testing services to the local medical laboratories.

The assessment team was impressed with the high quality of both programmes. For more details, please contact our Senior Accreditation Officer Ms. Bella Ho at [bellaho@itc.gov.hk](mailto:bellaho@itc.gov.hk). ■



The assessment team, Mr. Ross Tinniswood and Ms. Penny Petinos, with the officers of the two Proficiency Testing programmes being assessed – WHO influenza EQAP organised by Virology Division of PHLSB and HKIMLSQAP’s Viral Serology Programme

# HKAS Celebrated the World Accreditation Day 2011



Every year on June 9, the International Accreditation Forum (IAF), International Laboratory Accreditation Cooperation (ILAC) and accreditation bodies around the world celebrate the World Accreditation Day to mark the contribution of accreditation to humanity.

This year, HKAS celebrated the Day with focus on accreditation for medical testing. The day programme titled “Contribution of ISO 15189 for quality improvement of medical testing” took place at the Lecture Theatre of the Hong Kong Central Library. Representatives from the China National Accreditation Service (CNAS), Taiwan Accreditation Foundation (TAF), Department of Medical Science, Ministry of Health, Thailand (DMSc) and Japan Accreditation Board (JAB) shared their experience and knowledge in applying ISO 15189 to improve the medical testing in their economies. More than 120 participants enjoyed a vivid exchange of ideas and observations.



The evening programme “You are indispensable to accreditation” emphasized the importance of participation by all stakeholders. Dr. Raymond Yung, a member of the Accreditation Advisory Board (AAB) of HKAS, updated the 100 participants on the development of accreditation in the private sector and Dr. Michael Chan, an experienced HKAS assessor, shared his assessment experience with the potential assessors. The participants also enjoyed the eye-opening talk by Dr. Que Tak Lun, another experienced HKAS assessor, comparing laboratory accreditation with hospital accreditation. ■

# HKAS Participation in Trade Fairs

To promote the testing, inspection and certification services provided by accredited organizations in Hong Kong and the benefits of accreditation, HKAS in cooperation with the Hong Kong Council for Testing and Certification (HKCTC) set up promotional booths/panels in various international trade fairs. So far, we participated in the following fairs:

- i) Hong Kong International Building and Decoration Materials & Hardware Fair (Oct 2010)
- ii) World SME Expo (Hong Kong) (Dec 2010)
- iii) Hong Kong Toys & Games Fair (Jan 2011)
- iv) Hong Kong Fashion week for Fall/Winter (Jan 2011)
- v) Hong Kong International Jewellery Show (Mar 2011)
- vi) Hong Kong Electronics Fair – Spring Edition (Apr 2011)
- vii) Hong Kong International Lighting Fair – Spring Edition (Apr 2011)
- viii) Hong Kong International Textile Fair (Apr 2011)
- ix) Hong Kong Houseware Fair (Apr 2011)
- x) SmartHK in Guangzhou (May 2011)
- xi) HKTDC Summer Sourcing Show for Gift, Houseware & Toys (Jul 2011)
- xii) Hong Kong Fashion Week for Spring/Summer (Jul 2011)

HKAS will join the following fairs in the 2nd half of 2011:

- i) HKTDC Food Expo (Aug 2011)
- ii) International Conference & Exhibition of the Modernization of Chinese Medicine & Health Products in Hong Kong (Aug 2011)
- iii) Hong Kong Electronic Fair – Autumn Edition (Oct 2011)
- iv) Eco Expo Asia – International Trade Fair on Environmental Protection (Oct 2011)
- v) Hong Kong International Building and Decoration Materials & Hardware Fair (Oct 2011)
- vi) Hong Kong International Lighting Fair – Autumn Edition (Oct 2011)
- vii) World SME Expo (Dec 2011)

More information about the accreditation services provided by HKAS and accredited organizations is provided in the booths/panels. You are invited to drop by our booths next time when you visit the fairs. For more details on the trade fairs' promotional activities, please contact our Senior Accreditation Officer Dr. Eric Sze at [etpsze@itc.gov.hk](mailto:etpsze@itc.gov.hk). ■



# Enhancing the Quality of Non-Destructive Test (NDT)

Seeing the importance of supervision on the quality of on-site work, HKAS has worked closely with accredited laboratories and other stakeholders to strengthen this aspect. The HOKLAS Supplementary Criteria No. 36 Additional Accreditation Requirements for “Construction Materials” Test Category (HOKLAS SC36) have been revised for this purpose.

To further enhance the quality of NDT of welds, HKAS held a half day discussion forum on 30 December 2010, with 30 representatives from 14 accredited NDT laboratories attended. The main topics discussed concerned laboratories’ work capacities, secure means of recording, strengthening of supervisions and freedom from undue pressures. The forum was rewarding as it provided a platform for laboratories to share experiences and to gain better understanding of HKAS requirements. HKAS also obtained valuable feedback for improvement of its assessment requirements.

To verify the effectiveness of the above initiatives, HKAS conducted unannounced surveillance assessment visits to NDT laboratories. The findings were encouraging as they showed that most of the accredited construction laboratories were in compliance with the HKAS’s requirements. It was also noted that laboratories welcomed unannounced surveillance visits because the visits alerted them of deficiencies in their quality systems and testing procedures.

Accredited construction laboratories are also taking leads to deal with problems of malpractices. The Association of Construction Material Laboratories (ACML) held a meeting with HKAS on 20 January 2011 to discuss the issue. Ideas and experiences on integrity, code of conduct and training of staff were exchanged. The meeting also explored ways to increase awareness of laboratory staff towards the importance of impartiality and integrity.

HKAS will continue to assist laboratories to improve their performance through enhancement of assessment requirements. HKAS will also maintain contact with other stakeholders and training institutions with a view to assisting construction laboratories to improve their operations and training of staff. Unannounced surveillance visits to accredited laboratories will also continue. For more details, please contact our Senior Accreditation Officer Mr. C.F. Pang at [cfpang@itc.gov.hk](mailto:cfpang@itc.gov.hk). ■



The Product Standards Information Bureau (PSIB) is a service provided by the Innovation and Technology Commission of the HKSAR Government. It aims to enhance general awareness of the importance and benefits of standards and standardization and to facilitate the public, including manufacturers, traders, and institutions such as laboratories, academic and research bodies, to access standards and technical requirements. Its services include:

- a public library of standards, sales service for standards;
- free enquiry service on standards;
- nominating interest parties to participate in ISO standardization activities;
- organizing introductory seminars on standards and related issues.

PSIB represents Hong Kong, China in the Sub-Committee on Standards and Conformance of the Asia Pacific Economic Cooperation (APEC).

As products and services similar in nature but produced to different requirements will confuse the market, delay their acceptance and increase costs, international, regional and national standardization bodies are set up to publish standards to unify requirements and promote trade. A well-known international standardization body is the International Organisation for Standardisation (ISO). ISO produces international standards on a wide range of subjects. PSIB represents Hong Kong as a correspondent member of ISO. PSIB encourages interested parties to participate in ISO technical committees to develop international standards. In addition to influencing the development of standards affecting their business, participants can also access technical information not available elsewhere and network with peers. Interested parties are welcome to contact PSIB by email : [psib@itc.gov.hk](mailto:psib@itc.gov.hk) or telephone : (+852) 2829 4823 for nomination.

The PSIB library of international, regional and national standards is at 36th Floor, Immigration Tower, 7, Gloucester Road, Wanchai, Hong Kong. In addition to standards, its collection also includes product safety requirements implemented in Hong Kong and its major trading partners, standards catalogues, handbooks, and related publications. The public may purchase copies of standards, guides, publications or handbooks issued by major standards bodies through the PSIB. PSIB also offers free technical enquiry service to assist enquirers in understanding requirements of different standards. This service can be obtained by visiting the PSIB library or through telephone enquiry at (+852) 2829 4820.

The website of PSIB can be accessed at <http://www.psib.gov.hk>, which provides an overview of the benefits and importance of standards and detailed information on the above-mentioned services. The website also contains a database on the standards, regulations and conformity assessment requirements in Hong Kong. It also features Hong Kong's involvement in international and regional standardization activities as well as provides standards news and FAQ on technical issues.

From time to time, PSIB organizes free seminars to explain standards, the standardization process and the benefits of using standards. Interested parties are welcome to contact PSIB for details. ■

# New HKAS Staff Members

It is our pleasure to welcome 3 new officers, including 1 Senior Accreditation Officer and 2 Accreditation Officers, who joined us since March 2011.

## Mr. Heung Kin Man, Denis



Mr. Heung was seconded from Civil Engineering and Development Department (CEDD) to HKAS as a Senior Accreditation Officer in March 2011. Prior to transferring to HKAS, Mr. Heung has worked in CEDD as a Geotechnical Engineer for more than 12 years. Mr. Heung holds a Bachelor of Engineering Degree in Civil and Structural Engineering from The University of Sheffield, UK and a Master Degree in Geoenvironmental Engineering from The University of Alberta, Canada. Mr. Heung is a Chartered Engineer and a Member of both The Hong Kong Institution of Engineers and The Institution of Structure Engineer, UK. In HKAS, Mr. Heung will be involved in the accreditation of testing laboratory, certification body and inspection body under the category of "Construction Materials".

**Email: [kmheung@itc.gov.hk](mailto:kmheung@itc.gov.hk) Tel: (+852) 2829 4870**

## Mr. Leung Tsz Tao, Jeffrey

Mr. Leung joined HKAS as an Accreditation Officer in March 2011. He obtained his BSc (Hon.) in Engineering Physics and MPhil degree in Applied Physics from the Hong Kong Polytechnic University. Before joining HKAS, he was an engineer working at a material testing laboratory for more than 7 years. He has extensive experience and knowledge in physical tests and quality management in testing laboratories. In HKAS, Mr. Leung will mainly focus on the accreditation of construction materials and gemstones testing.

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## Mr. Leung Wai Man, Raymond



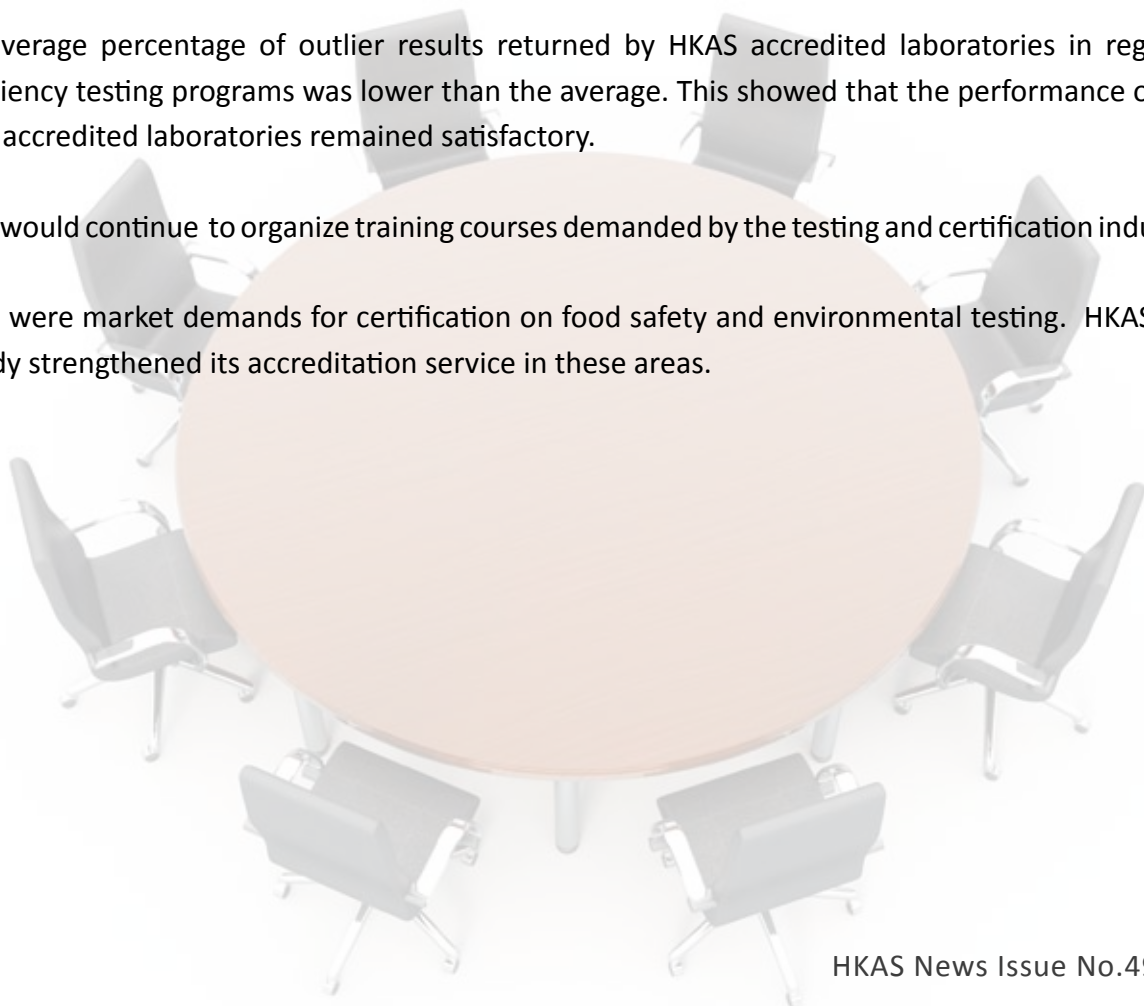
Raymond joined HKAS as an Accreditation Officer in April 2011. He obtained Bachelor of Engineering and Master of Philosophy in Mechanical Engineering both from the University of Hong Kong. He has more than 9 years of solid working experience in product safety testing and certification industry. His technical expertise is in information technology and telecommunication equipment testing. Raymond will be responsible for the accreditation of physical, mechanical and electrical testing.

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# HKAS Liaison Meetings with Accredited Organisations and Users of Accredited Services

HKAS holds liaison meetings separately with accredited organisations and users of accredited services every 6 months. Liaison meetings with users of accredited service and with accredited organisations were held on 15 Dec 2010 and 16 Feb 2011 respectively. The following issues were discussed:

- Members noted the work progress of the Hong Kong Council for Testing and Certification (HKCTC).
- HKAS would provide necessary support to HKCTC in implementing the recommendations and continue to expand its services to satisfy the need of society.
- Members generally found that HKAS accreditation was widely accepted internationally.
- There were demands for HKAS accreditation in new fields, such as energy saving products.
- Performance indicators of HKAS accredited organizations revealed that their performance was satisfactory as the number of significant non-conformities found in assessments was low.
- The average percentage of outlier results returned by HKAS accredited laboratories in regional proficiency testing programs was lower than the average. This showed that the performance of the HKAS accredited laboratories remained satisfactory.
- HKAS would continue to organize training courses demanded by the testing and certification industry.
- There were market demands for certification on food safety and environmental testing. HKAS had already strengthened its accreditation service in these areas.



## •Proficiency Testing Updates

- An update on the proficiency testing programmes organised by HKAS is given below:

Test Category	Programme and Organiser	Status
Calibration Service	HCAL/2011/01 - DCV, ACV, DCI, ACI and ohm measurement Co-organised with the Standards and Calibration Laboratory	Tentative in September 2011.
Construction Materials	HCM/2010/05 - Determination of Flakiness and Elongation Indices of Aggregates Co-organised with Civil Engineering and Development Department	The final report was issued on 31 March 2011. Fifteen laboratories participated. There was one outlier result from one laboratory. The laboratory had completed the corrective actions satisfactorily.
	HCM/2011/01- Determination of Plastic Limit of Soil Co-organised with Civil Engineering and Development Department	Tentative in September 2011.
Environmental Testing	APLAC T078 - Polycyclic Aromatic Hydrocarbons in Sediment Co-organised with Government Laboratory	The final report was issued in April 2011. Sixty-nine laboratories from twenty-six economies including three Hong Kong laboratories participated. All results from the three Hong Kong laboratories were satisfactory.
Food	APLAC T077 - Essential and Toxic Elements in Bovine Liver Co-organised with Government Laboratory	The final report was issued in May 2011. Thirty-seven laboratories from twenty-three economies including five Hong Kong laboratories participated. All accredited results from the five Hong Kong laboratories were satisfactory.
	APLAC T081 - Pesticides in Green Tea Co-organised with Government Laboratory	Invitations to accreditation bodies were sent in early August 2011. Deadline for nomination was scheduled on 30 September 2011. Samples were scheduled for despatch in November 2011.
	APLAC T082 - Essential and Toxic Elements in Seafood Co-organised with Government Laboratory	Invitations to accreditation bodies were sent in early August 2011. Deadline for nomination was scheduled on 20 August 2011. Samples were scheduled for despatch in mid-September 2011.

- Progress in programmes organised by regional cooperations of accreditation bodies

Test Category	Programme and Organiser	Status
Calibration Services	APLAC M025 - Hydraulic Pressure Calibrator (Gauge Mode) Organised by Standards Malaysia, Malaysia	The interim report was issued in February 2010. One Hong Kong laboratory participated.
Chemical Testing	APLAC T076 - Determination of TFe, Fe(II), SiO <sub>2</sub> , CaO, MgO, P, S, Al <sub>2</sub> O <sub>3</sub> , Mn, Ti, K <sub>2</sub> O, Na <sub>2</sub> O contents in iron ore Organised by CNAS, China	The final report was issued in June 2011. Two Hong Kong laboratories participated. All results were satisfactory.
	APLAC T079 - Phthalates in Plastic Materials Organised by TAF, Taiwan China	The interim report was issued in September 2010. Three Hong Kong laboratories participated.
Electrical and Electronic Product	APLAC T061 - Electromagnetic Interference Testing Organised by VLAC, Japan	The interim report was issued in August 2010. Four Hong Kong laboratories participated.

Food	INTI-OAA-IAAC T005 2010 - Proficiency Testing Programme on Preservatives in Non-alcoholic Beverages Organised by OAA, Argentina	The final report was issued in December 2010. One Hong Kong laboratory participated and all its results were satisfactory.
	INTI - OAA - IAAC T007 - Minerals and Vitamin C in Milk Powder Organised by OAA, Argentina	One Hong Kong laboratory participated. Results were submitted in mid-July 2011 and were being analysed by the organiser.
	APLAC T074 - Pb and Cd in Rice Organised by CNAS, China	Laboratories were being invited in early August 2011. Nominations had been sent to the organiser at the end August 2011.
Pharmaceutical Products	APLAC T080 – Pharmaceutical Preparation Analysis Organised by CNAS, China	Two Hong Kong laboratories participated. Testing in progress.

## •New and Revised HKAS Documents

Since the last issue of HKAS News, a number of HKAS, HOKLAS and HKCAS documents have been revised or newly published. They are shown in the following table with their respective dates of implementation. The supplementary criteria are mandatory documents and HKAS accredited organisations are advised to study them carefully and adjust their management system and/or operation procedures accordingly on or before the implementation dates. These documents are available at our website at <http://www.hkas.gov.hk>.

HKAS published documents	Publication Date	Implementation Date
<b>*實驗所認可計劃補充準則 045 -</b> 中國強制性產品認證制度之相關產品檢測能力	Jan 2011	Jan 2011
<b>實驗所認可計劃 015</b> 實驗所認可技術準則 (醫務化驗所)	Feb 2011	Feb 2011
<b>HOKLAS Supplementary Criteria No. 20</b> “Chemical Testing”, “Chinese Medicine”, “Construction Materials”, “Miscellaneous” and “Toys and Children’s Products” - Chemical Testing	Feb 2011	Mar 2011
<b>*HOKLAS Supplementary Criteria No. 44</b> “Chinese Medicine” Test Category – Chemical and Physicochemical Testing to the Hong Kong Chinese Materia Medica (HKCMM) Standards	Feb 2011	Mar 2011
<b>HKAS Supplementary Criteria No. 4</b> Intervals between reassessments and surveillance visits	Mar 2011	Mar 2011
<b>HKCAS 005</b> Application for Certification Body Accreditation / Extension of Scope of Accreditation	Mar 2011	Mar 2011
<b>*HKCAS 017</b> Assessment / Reassessment Questionnaire (for Food Safety Management System Certification only)	Mar 2011	Mar 2011
<b>HKCAS Supplementary Criteria No. 2</b> Accreditation Programme for Product Certification	Mar 2011	Jun 2011
<b>HKCAS Supplementary Criteria No. 4</b> Accreditation Regulations Specific for HKCAS - Certification Body	Mar 2011	Mar 2011
<b>*HKCAS Supplementary Criteria No. 6</b> Accreditation Programme for Food Safety Management System (FSMS) Certification	Mar 2011	Mar 2011
<b>HKCAS Supplementary Criteria No. 4</b> Accreditation Regulations Specific for HKCAS - Certification Body	Apr 2011	Apr 2011
<b>HKIAS 005</b> Application for Inspection Body Accreditation / Extension of Scope of Inspection Body Accreditation	Apr 2011	Apr 2011

<b>*HOKLAS Supplementary Criteria No. 46</b> Accreditation Criteria Specific for HOKLAS - ENERGY STAR® Program Laboratory for testing Electrical and Electronic Products	May 2011	May 2011
<b>HKAS 009</b> Notification of Changes	May 2011	May 2011
<b>HOKLAS Supplementary Criteria No. 33</b> Accreditation Regulations Specific for HOKLAS - Laboratory	Jun 2011	Jun 2011
<b>HOKLAS Supplementary Criteria No. 14</b> “Electrical and Electronic Products” Test Category - Product Safety Tests	Jun 2011	Jul 2011
<b>HKCAS Supplementary Criteria No. 2</b> Accreditation Programme for Product Certification	Jun 2011	Jun 2011
<b>HKAS 009</b> Notification of Changes	Jul 2011	Jul 2011
<b>*HOKLAS Supplementary Criteria No. 43</b> “Food” test category – Species Identification by DNA Sequencing for Authentication Purpose	Jul 2011	Jul 2011
<b>HOKLAS 006</b> Schedule of Accreditation Fees for Laboratories within the Hong Kong Special Administrative Region	Jul 2011	Jul 2011
<b>HOKLAS 011</b> Change of Authorised Representative	Jul 2011	Jul 2011
<b>HOKLAS 012</b> Application for an Additional Copy of a Certificate of Accreditation	Jul 2011	Jul 2011
<b>HOKLAS 013</b> Schedule of Accreditation Fees for Laboratories outside of the Hong Kong Special Administrative Region	Jul 2011	Jul 2011
<b>HKCAS 005</b> Application for Certification Body Accreditation / Extension of Scope of Accreditation	Jul 2011	Jul 2011
<b>*HKCAS 018</b> Assessment / Reassessment Questionnaire (for Occupational Health and Safety Management System Certification only)	Jul 2011	Jul 2011
<b>*HKCAS Supplementary Criteria No. 7</b> Accreditation Programme for Occupational Health and Safety Management System Certification to OHSAS 18001:2007	Jul 2011	Jul 2011
<b>HKIAS Supplementary Criteria No. 2</b> Construction Product Inspection - General Products	Jul 2011	Jul 2011
<b>HKIAS Supplementary Criteria No. 3</b> Construction Product Inspection - Welding Inspection	Jul 2011	Jul 2011
<b>HKIAS Supplementary Criteria No. 4</b> Indoor Air Quality Inspection	Jul 2011	Jul 2011
<b>HOKLAS 024</b> Application for using the ILAC Laboratory Combined MRA Mark	Aug 2011	Aug 2011
<b>HKCAS 016</b> Application for using the Combined IAF MLA Mark	Aug 2011	Aug 2011

\*New publication

## •Accreditation Updates

### •New Accreditation Granted

A number of laboratories were accredited since the last issue of HKAS news. Their names and registration numbers, accredited test categories respectively are summarised below. HKAS wishes to congratulate them on their success in obtaining accreditation.

### •HOKLAS

HOKLAS Registration No.	Name of Laboratory	Accredited Test Categories	Clientele
199	Laboratoires Pourquery (Hong Kong) Limited	Toys and Children’s Products, Physical and Mechanical Testing	Public

200	Leading Edge Construction Materials Testing Company Limited	Construction Materials	Public
201	Global Tests Limited	Construction Materials	Public
202	ANSECO Group (HK) Limited	Toys and Children's Products	Public
203	Government Laboratory - Forensic Science Division	Forensic Testing	Government departments, normally not available for public testing
204	The Lab (Asia) Limited	Construction Materials	Public
205	The Chinese University of Hong Kong – Food Research Centre	Food	Public
206	Hong Kong Science and Technology Parks Corporation – Technology Support Centre – Material Analysis Laboratory	Physical and Mechanical Testing	Public
832S	Prenatal Diagnostic Laboratory, Tsan Yuk Hospital, Hospital Authority	Medical Testing	Public and private hospitals and clinics
833P	Department of Pathology, Kwong Wah Hospital, Hospital Authority	Medical Testing	Public and private hospitals and clinics

## •Accreditation Suspended

### •Voluntary Suspensions

#### •HOKLAS

HOKLAS Registration No.	Name of Laboratory	Test Categories and Test Areas / Disciplines Suspended	Effective Date
21	Stanger Asia Limited	Construction Materials Blocks and Bricks	13 Apr 2011
71	FT Laboratories Limited	Construction Materials Concrete & grout tests (excluding non-destructive tests on concrete)	14 Apr 2011 - 01 Jun 2011
141	PROVA Inspection & Testing Co. (HK) Limited	Branch Laboratory: Construction Materials All tests	01 Apr 2011
818S	PHC Medical Diagnostic Centre Ltd.	Medical Testing Haematology	18 Feb 2010 - 28 Feb 2011

#### •HKIAS

HKIAS Registration No.	Name of Inspection Body	Accredited Inspection Field	Effective Date
019	Hong Kong Polytechnic University - Indoor Environmental Quality Laboratory	Indoor Air Quality All Inspection	25 Feb 2010 - 15 Feb 2011

### •Imposed Suspensions

#### •HOKLAS

HOKLAS Registration No.	Name of Laboratory	Test Categories and Test Areas / Disciplines Suspended	Effective Date
175	South China Inspection & Testing Limited	Construction Materials All tests (except Penetrant testing)	04 Nov 2010 - 16 May 2011

## •Accreditation Terminated

### •Voluntary Terminations

#### •HOKLAS

HOKLAS Registration No.	Name of Laboratory	Test Categories and Test Areas / Disciplines Terminated	Effective Date
019	Quality Control Consultants Ltd.	Dongguan Site Laboratory: Construction Materials All tests	13 Apr 2011
053	Bureau Veritas Hong Kong Limited - Kwai Chung Office	Food Chemical composition analysis - contaminants	21 Dec 2010
053	Bureau Veritas Hong Kong Limited - Kwai Chung Office	Food All Tests	23 Feb 2011
107	Macau University of Science and Technology Foundation - Racing Laboratory	Chemical Testing All Tests	24 Jun 2011
111	Bureau Veritas Hong Kong Limited - Kwai Chung Office	Physical and Mechanical Testing All tests  Toys and Children Products All tests	07 Mar 2011
135	City University of Hong Kong Centre for Electronic Packaging and Assemblies, Failure Analysis and Reliability Engineering (EPA Centre)	Chemical Testing All Tests	01 Aug 2011
170	Fugro Technical Services (Guangzhou) Limited	Construction Materials Blocks and Bricks	30 May 2011
180	Guangzhou Building Material Institute Limited Company	Construction Materials All tests	31 Mar 2011

#### •HKIAS

HKIAS Registration No.	Name of Inspection Body	Accredited Inspection Field	Effective Date
019	Hong Kong Polytechnic University - Indoor Environmental Quality Laboratory	Indoor Air Quality All Inspection	15 Feb 2011

## •Upcoming Training Courses

Title	Date
Medical Laboratory Management Based on ISO 15189	21-23 Sept 2011
Internal Auditing of Medical Laboratories	26-27 Sept 2011
Training Course on ISO/IEC 17021 : 2011	17 Oct 2011
Training Course on ISO/IEC 17043	25-26 Oct 2011
Training Course on Statistics for Method Validation	27 Oct 2011
Seminar on the Selection, Use and Interpretation of Proficiency Testing	28 Oct 2011
Laboratory Internal Auditor Course Based on ISO/IEC 17025	1-2 Nov 2011 17-18 Nov 2011
Lead Assessor Training Course Based on ISO/IEC 17025 & ISO 15189	7-11 Nov 2011
Laboratory Management Based on ISO/IEC 17025	14-16 Nov 2011

HKAS will announce more seminars, workshops and training courses in the HKAS website when they are ready. Interested readers may like to visit our website at [www.hkas.gov.hk](http://www.hkas.gov.hk) for the latest information. Please contact HKAS Executive for enrolment.