

Seminar on Latest Development of Certification

認證的最新發展研討會

Personnel Certification - International Standard for Competence
of a Qualified Auditor
人員認證 - 合資格審核師能力的國際標準

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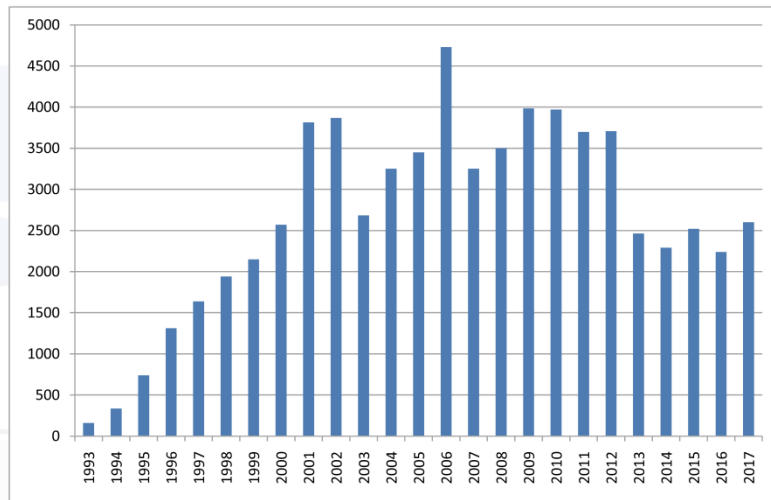
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- ❑ Ways to demonstrate competence
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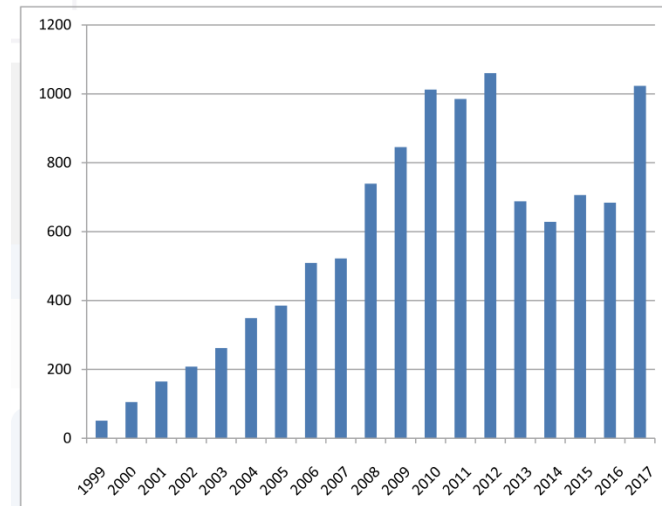
2009 Chief Executive's Policy Address

- **Testing and Certification Services** was one of the six pillar industries for propelling Hong Kong towards a knowledge based economy
- **Setting up Hong Kong Council for Testing and Certification (HKCTC)**
- **Brand** to promote the reputation of **Hong Kong to a very good standard throughout the world**. It can be helpful to act as an independent party to provide services and attract more foreign enterprises invest to the Testing and Certification industry in Hong Kong.
- ✓ **ISO - Standard throughout the world**
- ✓ **3rd party certification - Independent**

Continuous Demand of ISO9001 Auditing in Hong Kong



Growing Demand of ISO14001 Auditing in Hong Kong



ISO9001:2015 Annex B listed the International Standards can provide assistance to organizations when they are establishing or seeking to improve their quality management systems, their processes or their activities.

ISO 10018 *Quality management — Guidelines on people involvement and competence* provides guidelines which influence people involvement and competence. **A quality management system depends on the involvement of competent people** and the way that they are introduced and integrated into the organization. It is critical to determine, develop and evaluate the knowledge, skills, behaviour and work environment required.

❑ Competence requirement

Requirement for Competence **can be:**

- (a) **International standard** (Personnel Certification Body, 3rd Party Certification)
- (b) Local requirement
- (c) Certification body self accredited
- (d) Organization self regulate

國際標準組織



International Organization for Standardization

Great things happen when the world agrees

🏠 > Store > Standards catalogue > Browse by ICS > 03 > 03.120 > 03.120.20 > ISO/IEC 17024:2012

ISO/IEC 17024:2012

👁 Preview

Conformity assessment -- General requirements for **bodies operating certification of persons**

ISO/IEC 17024:2012 contains principles and requirements **for a body certifying persons** against specific requirements, and includes the development and **maintenance of a certification scheme for persons.**

BS EN ISO/IEC 17024:2012



BSI Standards Publication

**Conformity assessment —
General requirements for
bodies operating
certification of persons**

❑ Competence requirement

Requirement for Competence **can be**:

- (a) International standard
- (b) Local requirement (Accreditation Body)**
- (c) Certification body self accredited
- (d) Organization self regulate



Accreditation Service for Medical Laboratories

Hong Kong Accreditation Service
12 October 2016



ISO15189:2012

Medical Laboratories - Requirements for quality and competence



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□ Competence requirement

Requirement for Competence **can be:**

- (a) International standard
- (b) Local requirement
- (c) **Certification body self accredited**
(Certification Body certify their own auditor/course)
- (a) Organization self regulate

IATF 16949:2016 – Automotive Quality Management Systems – Lead Auditor Course | Training Services | SGS

TRAINING SERVICES

IATF 16949:2016 – AUTOMOTIVE QUALITY MANAGEMENT SYSTEMS – LEAD AUDITOR COURSE

IATF 16949:2016 lead auditor course from SGS provides specialized training to satisfy the IATF standard clauses 7.2.3 and 7.2.4.

International Automotive Task Force (IATF) 16949 is one of the most widely used international standards for quality management in the automotive industry. Our training course can provide in-depth training and knowledge of the IATF 16949:2016 standard requirements.

Why choose the SGS IATF 16949:2016 lead auditor course?

After completing this IATF lead auditor training course, you will have an awareness of:

- IATF 16949:2016 clause 7.2.3, Internal Auditor Competency (modules one to three)
- IATF 16949:2016 clause 7.2.4, Second Party Auditor Competency (modules one to three)
- IATF 16949:2016 clause 4.3.2, for Customer Specific Requirements (module one)
- IATF 16949:2016 clause 5.1, Leadership and Commitment (module one)

The trusted IATF 16949:2016 lead auditor course from a leading training provider

As the leader in professional training, we offer you in-depth knowledge and expertise in IATF 16949:2016 requirements. The course consists of three modules. To complete the course and satisfy the IATF standard clauses 7.2.3 and 7.2.4, 100% attendance of all three modules and successful completion of the tests in modules two and three is required.

Course details

- Duration: 5 days
- Modules: Three modules, which can be offered individually
- Training options: Public and in-house
- Accreditation: SGS

□ Competence requirement



Requirement for Competence **can be**:

- (a) International standard
- (b) Local requirement
- (c) Certification body self accredited
- (d) Organization self regulate (Self-declared scheme of Learned Society, certify their member)**

IRCA Certification

IRCA, a division of the CQI, is the leading professional body for management system auditors.

IRCA Certificated Auditors are recognised as world leaders in their field. Join us and take advantage of all these benefits:

- **Be recognised as a competent auditor.** IRCA Certificated Auditors are highly valued by employers worldwide as the leading auditing professionals, with the highest standards of training and work experience.
- **Improve your career prospects.** You'll gain the title of IRCA Certificated Auditor, and use the logo in your email signature and business documents. You will also be listed on our online register which is widely used by employers to find auditors.
- **Earn more.** IRCA auditors earn **23% more** than non-IRCA auditors, on average.

We are morally and professionally bound by both the CQI and IRCA code of conduct and ISO 19011 (Guidelines for Auditing Management Systems) to carry out our duties in a professional manner. The latter reminds us of the need to truthfully and factually report what we see and to be impartial and objective in terms of our conclusions. However, this isn't always

IAF MD 10:2013



國際認可組織

Bench marking to ISO17024

6.3 Certification in a **personnel certification scheme, accredited to ISO/IEC 17024** may be used as **demonstrating the competence of personnel**, to the extent covered by the scope of the scheme.

6.4 Where a **personnel certification scheme is not accredited it may be used only as an indication** that personnel have certain knowledge and skills, and the **AB shall verify** that the CB has performed its **own evaluation of competence** against the criteria covered by the scheme.

□ Ways to demonstrate competence



國際人員認證協會 國際認可組織

Bench marking to IPC Management System Auditors Certification Scheme

- a) a specific scheme developed by IPC conforming to ISO17024.
- b) Auditor Certification Scheme endorsed by IAF
- c) Not only 17024, but ADDITIONAL layer of confidence
- d) Advantage: consistence between PCBs
- e) Certification scopes manage by IPC
- f) All IPC members are PCB accredited to ISO17024
- g) IPC MLA Signatory manage, approve of MS Auditors, IPC auditor training courses/IPC Training Organisation

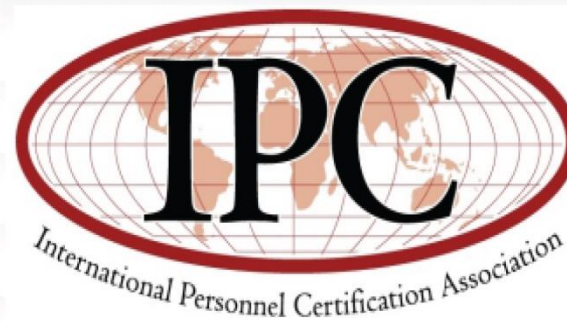
❑ Ways to demonstrate competence

IAF-IPC MoU (Oct 2017)

- IAF Endorses IPC Management System Auditors Certification Scheme.
- ISO17024 accredited PCBs certify competent and knowledgeable management system auditors.



From left to right: George Anastasopoulos (IPC General Secretary), Xiao Jianhua (IAF Chair)



IAF Endorses IPC Management System Auditors Certification Scheme

International Personnel Certification Association's "IPC Management System Auditors certification scheme" received endorsement as a sub-scope of the International Accreditation Forum Multilateral Recognition Arrangement (IAF MLA) during the thirty-first IAF General Assembly held on 28 and 30 October 2017 in Vancouver, Canada.

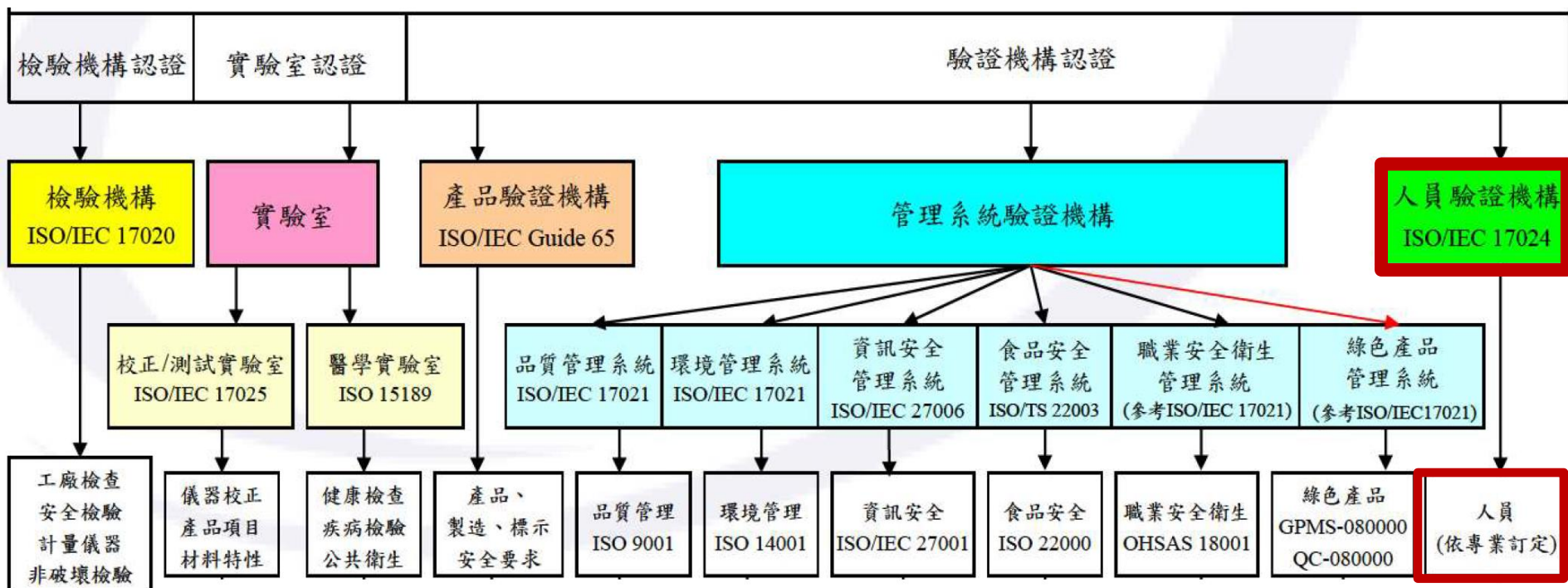
The IPC Management System Auditors certification scheme is the first personnel certification scheme ever to have achieved official endorsement by the IAF. This means more consistency and integrity for Management System Auditors certificates issued around the world.

IPC is only working with those Accreditation Bodies that are participating in the IAF MLA for personnel certification. The IAF MLA delivers the confidence needed for market acceptance of conformity assessment outcomes. Certification of persons issued, within the scope of the IAF MLA, by a Personnel Certification Body (PCB) that is accredited by an IAF MLA signatory, ensures worldwide recognition, thereby facilitating international trade.

From now on, the IAF peer evaluation process will take into account not only generic personnel certification requirements, but also the specific IPC scheme normative documents that are now endorsed by the IAF. This creates an additional layer of assurance that ISO/IEC 17024 accredited PCB's – including in their scope the IPC Management System Auditors certification scheme - are certifying competent and knowledgeable management system auditors.

Independent 3rd party certification

- Independent
- Impartiality
- Bench marking international standard ISO17024 Personnel Certification System
- Align with ISO System



Hong Kong Institution of Certified Auditors (HKICA)



- HKICA was set up in 2006, a learnt society and professional body
- In May 2016, the HKICA certified by China National Accreditation Service for Conformity Assessment (CNAS) to ISO/IEC 17024: Certification for Person
- In August 2016, HKICA reached Mutual Recognition with China Certification and Accreditation Association (CCAA)
- In June 2018, HKICA joins International Personnel Certification Association (IPC) as Full Member
- In October 2018, HKICA becomes MLA Signatory of IPC



HKICA becomes a Certification Body for Certification of Persons **Since 2016** ISO17024 : 3rd Party Impartial Certification for Professionalism Auditor

中國合格評定國家認可委員會（CNAS）肖建華秘書長頒發

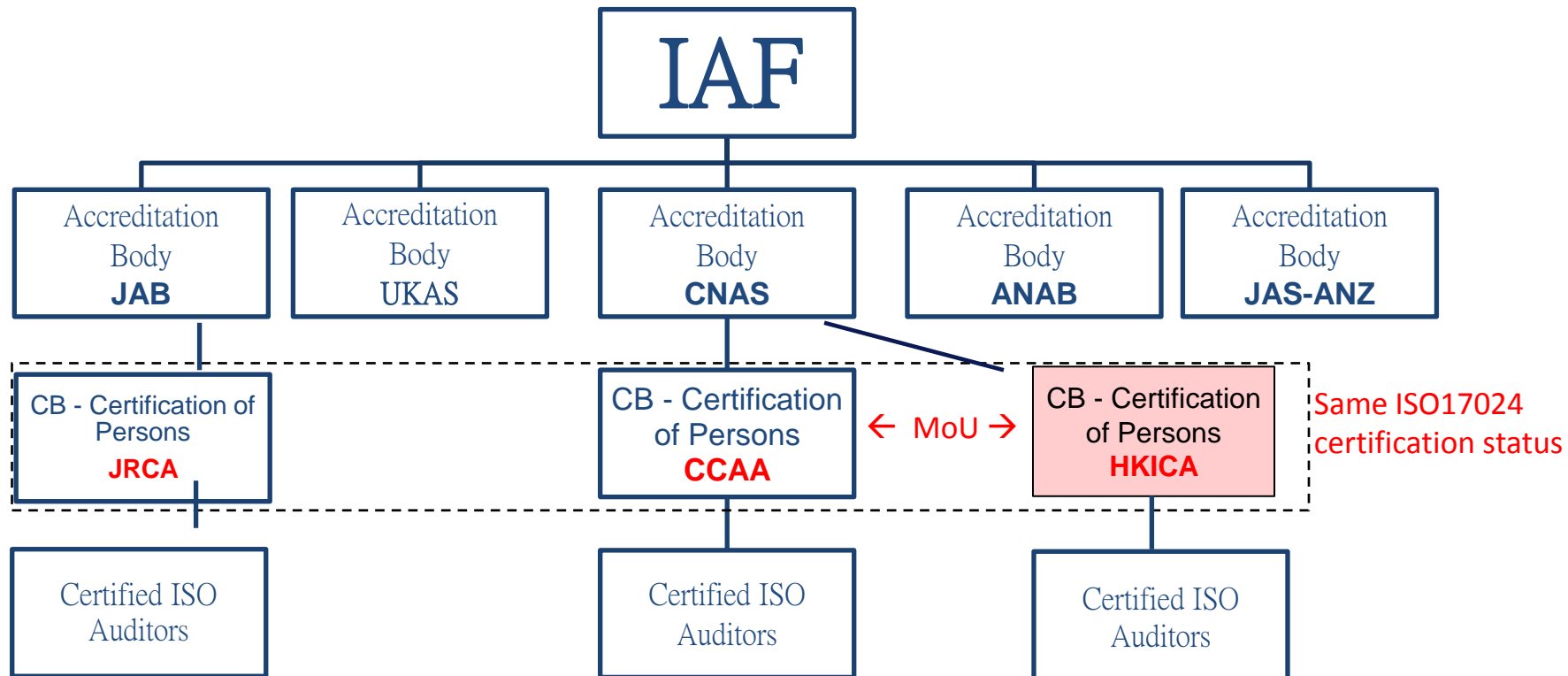
質量管理體系人員認證機構認可證書

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香港專業審核師學會（HKICA）會長盧耀博士



HKICA reached Mutual Recognition with China Certification and Accreditation Association (CCAA) 2016



HKICA reached Mutual Recognition with China Certification and Accreditation Association (CCAA) **2016**

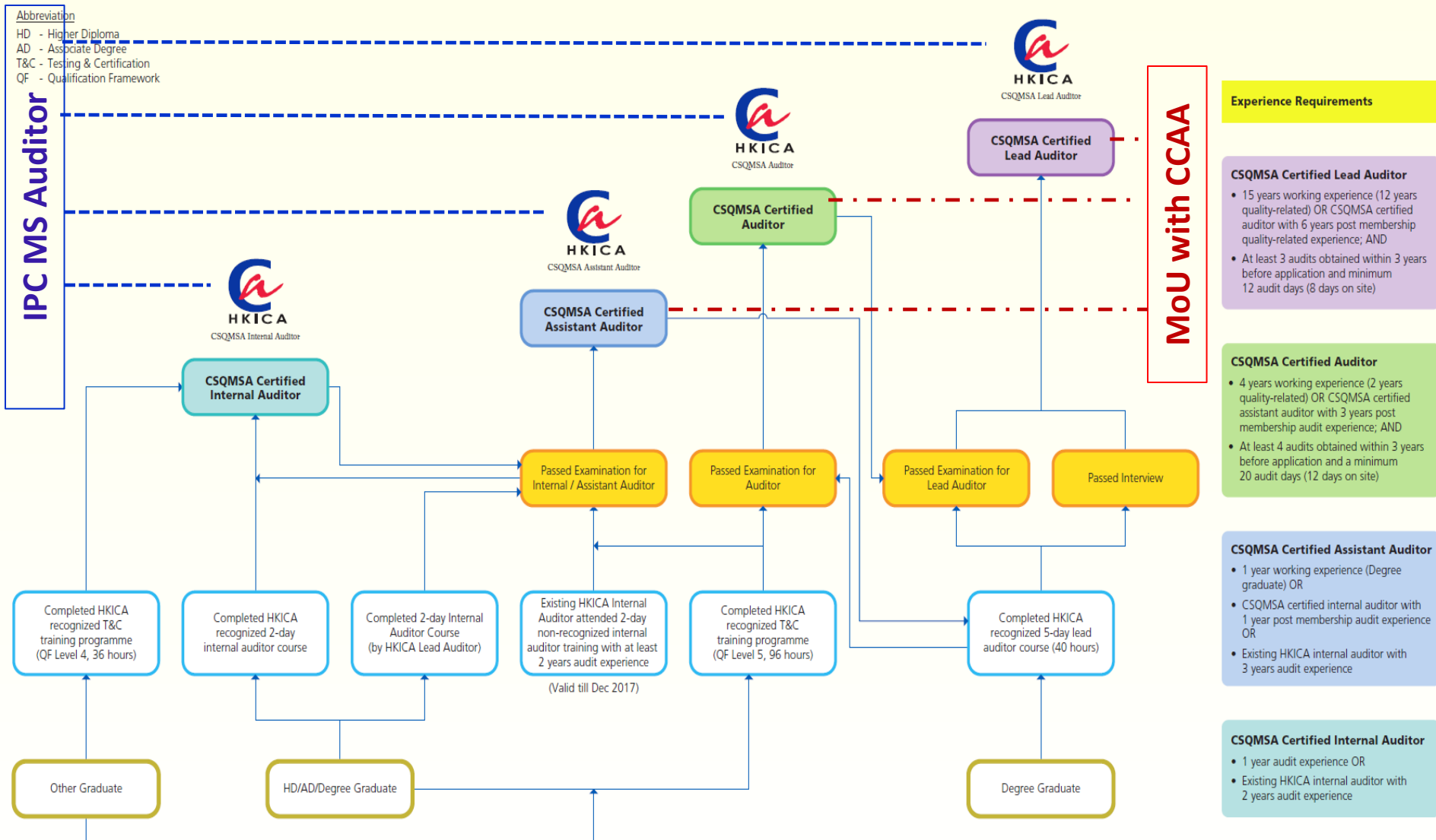
中國認證認可協會 / 香港專業審核師學會
達成質量管理體系審核師認證的互認協議



HKICA has become the MLA Signatory of International Personnel Certification Association (IPC) **Oct 2018**








Membership Pathway of CSQMSA Certified Auditors



Worldwide recognized qualification

HKICA is one of the eighth MLA Signatory of International Personnel Certification Association (IPC)

- WELCOME TO IPC
- Home (/index)
- About Us (about)
- Vision, Mission and Values (vision)
- IPC Certification Schemes (ipcscscheme)
- Join IPC (membership)
- What is IPC MLA (ipcmmla)
- Members (members)
- IPC Board of Director (board)
- IPC Newsletter (ipcnewsletter)
- Search IPC Registry (search)
- Contact Us (contact)

Full Members	Associate	Observer	Executive Partners	Honorary	IPC MLA Signatories
	CEPAS S.R.L. Viale di Val Fiorita, 90 00144 Roma Italy Website: www.cepas.eu			MR. MASSIMO DUTTO CEO Telephone: +39065915373 Email: massimo.dutto@it.bureauveritas.com	
	EUROPEAN ORGANISATION FOR QUALITY - EOQ 36-38, Rue Joseph II, 1000 Brussels, Belgium EOQ National Representative Organizations Website: www.eoq.org			DR. ERIC JANSSENS Director General Telephone: +32474240800 Email: e.janssens@eoq-org.eu	
	GLOBAL PERSONNEL CERTIFICATION BODY - GPC Rm 501-1, Daeryung techno town, 638, Seobusaet-gil, Geumcheon-gu, Seoul, Korea Website: www.gpcert.org			DR. GONG GILBERT President and CEO Telephone: +82267490710 Email: info@gpcert.org	
	HONG KONG INSTITUTION OF CERTIFIED AUDITORS - HKICA Rm 108, 1/F, Sun Ling Plaza, 30 On Kui Street, Fanling New Territories, Hong Kong Website: www.hkica.org			IR DR. TOMMY LO President Telephone: +85227892389 Email: info@hkica.org	
	NORSK SERTIFISERING AS Postboks 73, NO-1325 Lysaker Oslo Norway Website: www.norsksertifisering.no			MR. FRODE ERVIK PETERSEN Director Telephone: +4767526015 Email: frode@norsksertifisering.no	



PROFESSIONAL EVALUATION AND CERTIFICATION BOARD - PECB

6683 Jean Talon East, Suite 336, QC, H1S 0A5
Montreal Canada
Website: www.pecb.com



STAREGISTER INTERNATIONAL INC.

150 N. Michigan Ave Suite 2800, IL 60601
Chicago United States
Website: www.staregister.org



TRA CERTIFICATION INT'L

700 East Beardsley Ave. Elkhart, 46514 Indiana
United States
Website: www.tra-auditors.com

Professional in Mainland

专业技术人员职业资格（共计58项）

序号	职业资格名称		实施部门 (单位)	设定依据
1	教师资格		教育部	《中华人民共和国教师法》 《教师资格条例》（国务院令第188号） 《〈教师资格条例〉实施办法》（教育部令2000年第10号）
3	法律职业资格		司法部	《中华人民共和国律师法》 《中华人民共和国法官法》 《中华人民共和国检察官法》 《中华人民共和国公证法》
9	注册建筑师		全国注册建筑师管理委员会及省级注册建筑师管理委员会	《中华人民共和国建筑法》 《中华人民共和国注册建筑师条例》（国务院令第184号） 《建设部、人事部关于建立注册建筑师制度及有关工作的通知》（建设〔1994〕第598号） 《建设工程勘察设计管理条例》（国务院令第293号）
10	监理工程师		住房和城乡建设部、交通运输部、水利部、人力资源社会保障部	《中华人民共和国建筑法》 《建设工程质量管理条例》（国务院令第279号） 《注册监理工程师管理规定》（建设部令2006年第147号）
14	建造师		住房和城乡建设部、人力资源社会保障部	《中华人民共和国建筑法》 《注册建造师管理规定》（建设部令2006年第153号） 《建造师执业资格制度暂行规定》（人发〔2002〕111号）
15	勘察设计注册工程师	注册结构工程师	住房和城乡建设部、人力资源社会保障部	《中华人民共和国建筑法》《建设工程勘察设计管理条例》（国务院令第293号） 《勘察设计注册工程师管理规定》（建设部令2005年第137号） 《注册结构工程师执业资格制度暂行规定》（建设〔1997〕222号）
	注册土木工程师	注册土木工程师	住房和城乡建设部、交通运输部、水利部、人力资源社会保障部	《中华人民共和国建筑法》《建设工程勘察设计管理条例》（国务院令第293号） 《勘察设计注册工程师管理规定》（建设部令2005年第137号） 《注册土木工程师（岩土）执业资格制度暂行规定》（人发〔2002〕35号） 《注册土木工程师（水利水电工程）制度暂行规定》（国人部发〔2005〕58号） 《注册土木工程师（港口与航道工程）执业资格制度暂行规定》（人发〔2003〕27号） 《勘察设计注册土木工程师（道路工程）制度暂行规定》（国人部发〔2007〕18号）
51	认证人员职业资格		质检总局	《中华人民共和国认证认可条例》（国务院令第390号）
52	出版专业技术人员职业资格		新闻出版广电总局、人力资源社会保障部	《出版管理条例》（国务院令第343号） 《音像制品管理条例》（国务院令第341号） 《出版专业人员职务试行条例》（职改字〔1986〕第41号） 《出版专业技术人员资格考试暂行规定》（人发〔2001〕86号）
53	统计专业技术资格		国家统计局、人力资源社会保障部	《统计专业职务试行条例》（职改字〔1986〕第57号） 《统计专业技术资格考试暂行规定》（人职发〔1993〕1号） 《关于印发高级统计师资格评价办法（试行）的通知》（人社部发〔2011〕90号）

- ❑ Worldwide recognized qualification



IPC MS AUDITORS SCHEMES

CURRENT SCOPES

Appendix 1 – ISO9001 (Quality MS)

Appendix 2 – ISO 14001 (Environmental MS)

Appendix 3 - International Safety Management Code

COMING SCOPES (UNDER PROCESSING)

Appendix 4 – ISO 55001 (Asset MS)

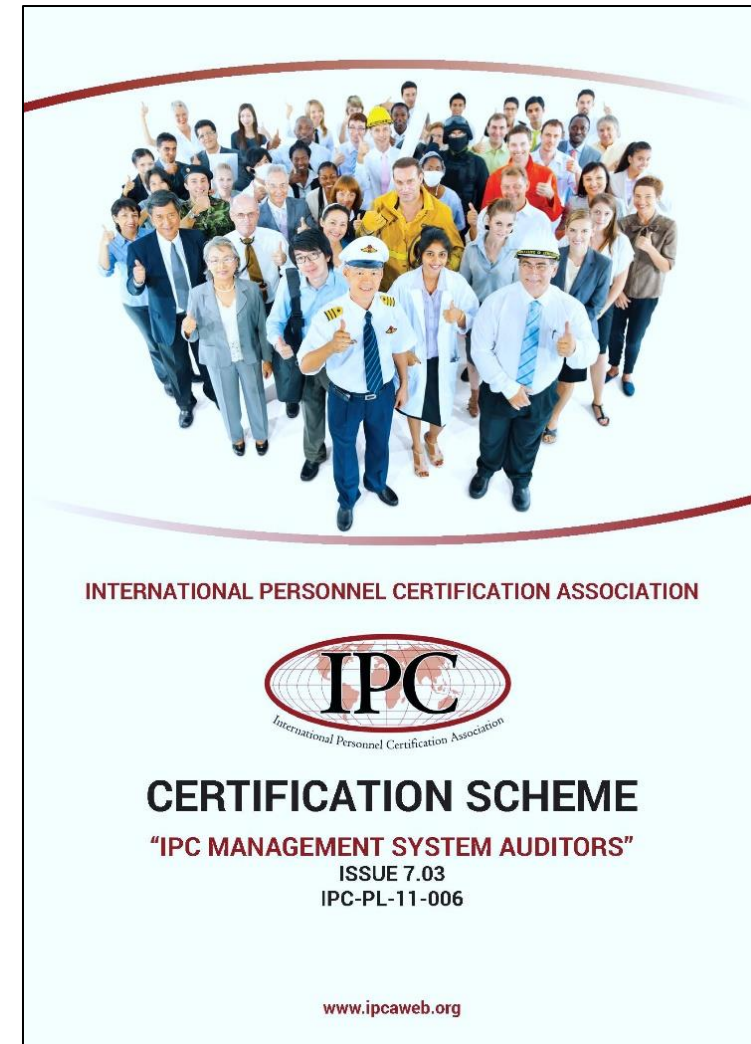
Appendix 5 – ISO 13485 (Medical Devices)

Appendix 6 – ISO 22000 (Food Safety)

Appendix 7 – ISO 15189 (Medical Laboratory)

Appendix 8 – ISO 17025 (Testing Laboratory)

NEW SCOPE (TO BE PROPOSE by IPC MLA Signatory)



Quality system rely on number of 1st and 2nd party internal auditor and frontline QA personnel and their professional ethics

Organizations	Nos	Details	Type (estimate no per organization)	Manpower Demand
Accredited Certification bodies (CB)	25	<ul style="list-style-type: none"> 15 CBs for quality management system (QMS) certification (according to ISO 9001) 15 CBs for environmental management system (EMS) certification (according to ISO 14001) 13 CBs for occupational health & safety management system (OHSMS) certification (OHSAS 18001, changing to ISO 45001). 	3 rd party Audit personnel (@10)	250
Accredited inspection bodies	21	ISO17021	3 rd party Audit personnel (@10)	210
HKAS accredited organizations	256	229 accredited laboratories (194 accredited to ISO/IEC 17025)	2 nd party QA personnel (@ 3)	768
Company certified to ISO9001	2239	Various trade and industries	1 st party QA personnel (@ 5)	11195
Company certified to ISO14001	684	Various trade and industries	1 party QA personnel (@ 5)	3420
Total:				15843

Manpower demand of Hong Kong Testing and Certification Trade

Quality system rely on number of 1st and 2nd party internal auditor and frontline QA personnel and their professional ethics

Competency of QA personnel and their professional ethics are key issue to rebuilding the core competitiveness of enterprises

- To maintain an effective and sustainable management system, sufficient and competence quality assurance expertise including internal auditors are essential.
- Management System without “Professional” will not be a Sustainable Management System. A sustainable QM system rely on:
 - Competent internal auditor and QA personnel
 - Designated person
 - Professional ethics

Conclusions

- ISO17024 Personnel Certification Scheme is the International Trend for competence of a qualified auditor.
- HKICA now an international PCB, one of the eighth MLA Signatory of International Personnel Certification Association (IPC).
- Hong Kong now is an international Hub for Personnel Certification with worldwide recognition.
- HKICA personnel certification system bench marking competence of testing and certification personnel, promote brand and reputation of Hong Kong.
- A Quality Management System relies on the involvement of competent people, 1st and 2nd party internal auditor and frontline QA personnel and professional ethics.

Seminar on Latest Development of Certification

認證的最新發展研討會

Personnel Certification - International Standard for Competence
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人員認證 - 合資格審核師能力的國際標準

Thank You

Ir Dr. Tommy Y Lo
President, Hong Kong Institution of Certified Auditors
香港專業審核師學會 會長 盧耀博士工程師