

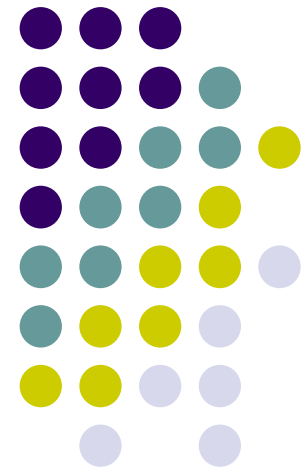
ASQ & HKSQ Certification Requirements



Hong Kong Society for Quality
香港品質學會

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Chairman

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Agenda



- Introduction to HKSQ
- Quality Movement in Hong Kong
- Quality Professional Development (QProfD) Gap Analysis Model
- ASQ Certification Schemes
- HKSQ Certification Schemes
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香港品質學會

Hong Kong Society for Quality



- A not-for-profit organization
- Formed in 1986, initially known as *Hong Kong Group of American Society for Quality Control (ASQC) International Chapter*
- In 1989, reconstituted as *Hong Kong Society for Quality Control (HKSQC)*, a Hong Kong based professional body independent of ASQC; ASQC was subsequently renamed as *American Society for Quality (ASQ)*
- In 1997, renamed to *Hong Kong Society for Quality (HKSQ)*
- WorldPartner of American Society for Quality (ASQ)
- Founding member of Asian Network for Quality (ANQ)



Quality Movement in Hong Kong



Year	Government & Industry	Societies	Quality Award
60s	1934 – CMA 1947 – HKIE 1960 – FHKI 1963 – HKSTC 1967 – HKPC	1960 – HKMA	
70s	1978 – Hong Kong Q-Mark Council 1979 – CMATCL		
80s	1985 – HOKLAS 1989 – HKQAA	1981 – HKTIC (HKACL) 1983 – HKQMA (HKQCA) 1986 – HKSQ (ASQ – HK)	1989 – Governor’s Award for Industry
90s	1998 – HKAS (HKCAS) 1999 – HKIAS	1991 – IQA (HK Branch)	1991 – HKMA-QA 1993 – HKQCA 1994 – HKIA 1997 – Hong Kong Award for Services
2000	2001 – HKSTP 2001 – ASTRI 2001 to 2006 – HK R&D Centre	2003 – SSI 2004 – SSS	2005 – HKIA (Merge Service; Merge Productivity & Quality)

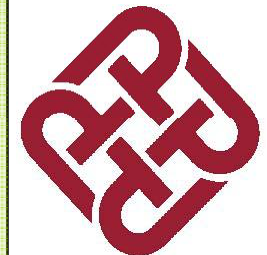
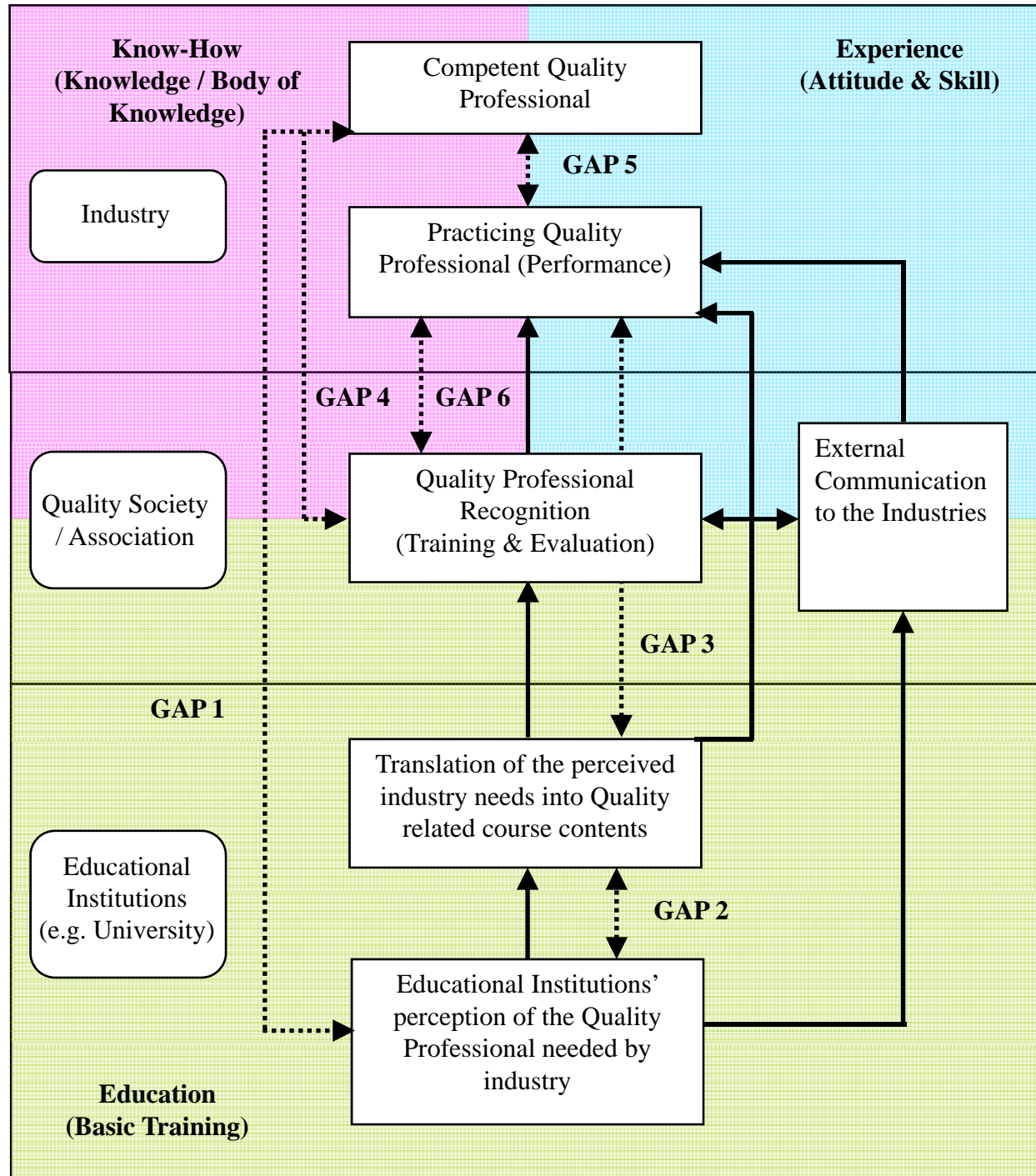


Quality Professional Development (QProfD) Gap Analysis Model



- **Attitude, Skill and Knowledge (ASK)** are defined as the principal dimensions that determine competency of a quality professional. These dimensions have been recognized by industry.
- Aims to analyze the process of developing the body of knowledge for quality professionals between the talents needed by industry and talents trained by Educational Institution.
- Between Industry and the Education sectors, **quality society/ association** works as a **bridge** to reduce the gap.





Various Gaps – QProfD Model



- Gap 1: Differences between Industry's expectations of competent Quality Professionals, and Educational Institution's perceptions of those expectations
- Gap 2: Differences between Educational Institution's perceptions of the requirement of Quality Professionals and the design of quality related study programs
- Gap 3: Differences between Educational Institution Graduates' ability and Industrial employment requirements for Quality Professionals
- Gap 4: Differences between the abilities of Competence Quality Professionals required by industry and Quality Society recognition (e.g. HKSQ Certified Six Sigma Green Belt, HKSQ Certified Laboratory Quality Specialist, etc.)
- Gap 5: Differences between Industry's expectations of competent Quality Professionals and the average performance of practicing Quality Professional
- Gap 6: Differences between the abilities of professionals recognized by Quality Society and Industrial employment requirements for Quality Professionals





ASQ Certification Programs (I)



Technical Level:

- Certified Calibration Technician (CCT)
- Certified Quality Improvement Associate (CQIA)
- Certified Quality Inspector (CQI)
- Certified Quality Process Analyst (CQPA)
- Certified Quality Technician (CQT)
- Certified Six Sigma Green Belt (CSSGB)

Auditor Level:

- Certified Biomedical Auditor (CBA)
- HACCP Auditor (CHA)
- Certified Quality Auditor (CQA)



ASQ Certification Programs (II)



Professional / Engineer Level:

- Pharmaceutical GMP Professional (CPGP)
- Certified Quality Engineer (CQE)
- Certified Reliability Engineer (CRE)
- Certified Software Quality Engineer (CSQE)

Managerial Level:

- Certified Manager of Quality/Organizational Excellence (CMQ/OE)
- Certified Six Sigma Black Belt (CSSBB)
- Certified Six Sigma Master Black Belt (CMBB)



ASQ Certification Schemes (General Requirements)



Technical Level:

- 2 to 5 years on-the-job experience
- Exam – 4 hours (100 MC questions)

Auditor Level:

- 5 to 8 years on-the-job experience
- Exam – 4 hours (135 MC questions)

Professional / Engineer Level:

- 5 to 8 years on-the-job experience (incl. ≥ 3 years in a decision making position)
- Exam – 4 hours (150 MC questions)

Manager Level:

- 10 years on-the-job experience (incl. ≥ 3 years in a decision making position)
- Exam – 4 hours (150 MC questions) plus 2 essays



ASQ Certification Schemes (Waiver of Experience Requirement)



- Diploma – 1 year
- Associate Degree – 2 years
- Bachelor Degree – 4 years
- Master / Doctorate – 5 years



ASQ Certification Schemes

(Requirement Summary)

Type / Grade	Experience Year Requirement (On-the-job experience)	Waive Experience Requirement	Exam Requirement
Technical			
CCT	5yr	Diploma - 2yr Associate Degree - 2yr Bachelor Degree - 2yr Master / Doctorate - 2yr	4hr (125 MC)
CQIA	2yr	Associate Degree - 2yr	3hr (100 MC)
CQI	2yr + Diploma or 5yr		4hr (100 MC)
CQPA	2yr	Associate Degree - 2yr	4hr (100 MC)
CQT	4yr (high edu. / work exp.)	Cert/Diploma - 1yr Associate Degree - 2yr Bachelor Degree - 3yr	4hr (100 MC)
CSSGB	3yr		4hr (100 MC)
Auditor			
CBA	5yr		4hr (135 MC)
CHA	5yr	Associate Degree - 1yr Bachelor Degree - 3yr Master / Doctorate - 4yr	4hr (135 MC)
CQA	8yr	Diploma - 1yr Associate Degree - 2yr Bachelor Degree - 4yr Master / Doctorate - 5yr	5hr (150 MC)
Prof / Engineer			
CPGP	5yr (>=3yr Decision Making Position)		4hr (150 MC)
CQE	8yr (>=3yr Decision Making Position)	Diploma - 1yr Associate Degree - 2yr Bachelor Degree - 4yr Master / Doctorate - 5yr	5hr (160 MC)
CRE	8yr (>=3yr Decision Making Position)	Diploma - 1yr Associate Degree - 2yr Bachelor Degree - 4yr Master / Doctorate - 5yr	4hr (150 MC)
CSQE	8yr (>=3yr Decision Making Position)	Diploma - 1yr Associate Degree - 2yr Bachelor Degree - 4yr Master / Doctorate - 5yr	4hr (160 MC)
Manager			
CMQOE	10yr (>=5yr Decision Making Position)	Associate Degree - 2yr Bachelor Degree - 4yr Master / Doctorate - 5yr	4hr (150 MC) 2 essay
CSSBB			4hr (150 MC) 1x SS Project
CMBB	5yr in thr role of CSSBB/MBB		Completion of 10x SS Projects





HKSQ Certified Professionals



Types of certification:

- Six Sigma Green Belt – CSSGB (HKSQ)
- Certified Laboratory Quality Specialist - CLabQS (HKSQ)





HKSQ Certified Professionals (I)



Six Sigma Green Belt - CSSGB (HKSQ):

- Requirements: Be an HKSQ member in good standing, and
 - Successfully passed SSGB training offered by HKSQ in previous 2 years (certification fee: free); or
 - By exemption: successfully completed a SSGB course accredited by HKSQ in previous 2 years (certification fee: HK\$300)
- Upon certification:
 - Awarded a HKSQ certificate
 - Registered for 3 years, and listed in HKSQ's website
- Re-certification: In the past 3 years,
 - Accumulated 6 continuing professional development (CPD); and
 - Continued as HKSQ member
- Register of Six Sigma Green Belt – CSSGB (HKSQ)





HKSQ Certified Professionals (II)



Certified Laboratory Quality Specialist - CLabQS (HKSQ):

- Requirements: Be an HKSQ member in good standing & have 3 year related laboratory experience (verified by company letters), and
 - Successfully passed Quality Management for Laboratory certificate course offered by HKSQ in previous 5 years (certification fee: free); or
 - By exemption: successfully completed a course accredited by HKSQ in previous 5 years (certification fee: HK\$300)
- Upon certification:
 - Awarded a HKSQ certificate
 - Registered for 3 years, and listed in HKSQ's website
- Re-certification: In the past 3 years,
 - Accumulated 6 continuing professional development (CPD); and
 - Continued as HKSQ member
- Register of Certified Laboratory Quality Specialist – CLabQS (HKSQ)





Certified Laboratory Quality Specialist – CLabQS (HKSQ)



- In 2002, students for chemistry and biology were recognized without realizing the industrial requirements in laboratory operations. Thus, two special training seminars were delivered on the related context for BCH students in CityU HK.
- After that HKSQ and BCH launched the certification course since 2005.
- CLabQS developed and launched in 2009 (reference to ISO 17024 requirements)





How to contact HKSQ?

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Reference:

Lai, Lotto K.H., Chin K.S. & Tsang A.H.C. (2008) “A Conceptual Model on Development of Quality Professionals” *Proceedings CD-ROM of The sixth ANQ Congress*, paper C1-05.

Lai, Lotto K.H., Chin K.S. & Tsang A.H.C. (2007) “Quality Movement and evolution in Hong Kong: A Critical Review” *Proceedings CD-ROM of The Fifth ANQ Congress*, paper A7-03.





THANK YOU

