ASQ & HKSQ Certification Requirements

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Chairman

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Hong Kong Society for Quality

香港品質學會
Agenda

- Introduction to HKSQ
- Quality Movement in Hong Kong
- Quality Professional Development (QProfD) Gap Analysis Model
- ASQ Certification Schemes
- HKSQ Certification Schemes
- Contact Us
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

<table>
<thead>
<tr>
<th>Year</th>
<th>Government &amp; Industry</th>
<th>Societies</th>
<th>Quality Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>70s</td>
<td>1978 – Hong Kong Q-Mark Council 1979 – CMATCL</td>
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</table>
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.
Competent Quality Professional

Knowledge / Body of Knowledge

Experience (Attitude & Skill)

Industry

Practicing Quality Professional (Performance)

GAP 5

Quality Society / Association

Quality Professional Recognition (Training & Evaluation)

GAP 4

GAP 6

External Communication to the Industries

GAP 1

Translation of the perceived industry needs into Quality related course contents

Educational Institutions (e.g. University)

GAP 2

Educational Institutions’ perception of the Quality Professional needed by industry

GAP 3

Education (Basic Training)
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
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)

<table>
<thead>
<tr>
<th>Type / Grade</th>
<th>Experience Year Requirement (On-the-job experience)</th>
<th>Waive Experience Requirement</th>
<th>Exam Requirement</th>
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<tbody>
<tr>
<td>Technical</td>
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<tr>
<td>CCT</td>
<td>5yr</td>
<td>Diploma - 2yr</td>
<td>4hr (125 MC)</td>
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<td></td>
<td></td>
<td>Associate Degree - 2yr</td>
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<td>Bachelor Degree - 2yr</td>
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<td>Master / Doctorate - 2yr</td>
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<tr>
<td>CQA</td>
<td>2yr</td>
<td>Associate Degree - 2yr</td>
<td>3hr (100 MC)</td>
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<td>CQI</td>
<td>2yr + Diploma or 5yr</td>
<td>Associate Degree - 2yr</td>
<td>4hr (100 MC)</td>
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<tr>
<td>COPA</td>
<td>3yr</td>
<td>Associate Degree - 2yr</td>
<td>4hr (100 MC)</td>
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<tr>
<td>CQT</td>
<td>4yr (high edn. / work exp.)</td>
<td>Cert/Diploma - 1yr</td>
<td>4hr (100 MC)</td>
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<td></td>
<td></td>
<td>Associate Degree - 2yr</td>
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<td></td>
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<td>Bachelor Degree - 3yr</td>
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<tr>
<td>CSSGB</td>
<td>3yr</td>
<td></td>
<td>4hr (100 MC)</td>
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<tr>
<td>Auditor</td>
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<tr>
<td>CBA</td>
<td>5yr</td>
<td>Associate Degree - 1yr</td>
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<td>Master / Doctorate - 5yr</td>
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<td>Prof / Engineer</td>
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<tr>
<td>CPQP</td>
<td>5yr (≥3yr Decision Making Position)</td>
<td>Diploma - 1yr</td>
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<td>Associate Degree - 2yr</td>
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<td>Master / Doctorate - 5yr</td>
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<td>CQE</td>
<td>8yr (≥3yr Decision Making Position)</td>
<td>Diploma - 1yr</td>
<td>5hr (160 MC)</td>
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<td>Associate Degree - 2yr</td>
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<td>Master / Doctorate - 5yr</td>
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<td>CRE</td>
<td>8yr (≥3yr Decision Making Position)</td>
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<td>Master / Doctorate - 5yr</td>
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<td>Manager</td>
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<tr>
<td>CHQOE</td>
<td>10yr (≥6yr Decision Making Position)</td>
<td>Associate Degree - 2yr</td>
<td>4hr (150 MC)</td>
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<td></td>
<td>Bachelor Degree - 4yr</td>
<td>2 essay</td>
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<td>Master / Doctorate - 5yr</td>
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<tr>
<td>CSSBB</td>
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<td>4hr (150 MC)</td>
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<td>1x SS Project</td>
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<td>CKB</td>
<td>5yr as the role of CSSEBB/MBB</td>
<td>Completion of 10x SS Projects</td>
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HKSQ Certified Professionals

Types of certification:

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

Web site: www.hksq.org
E-Mail address: info@hksq.org
Phone number: (852) 2766–6591  Fax number: (852) 2362–5267
Mailing address: PO Box 84375, Hunghom Bay Post Office, Kowloon, Hong Kong

Reference:
THANK YOU