



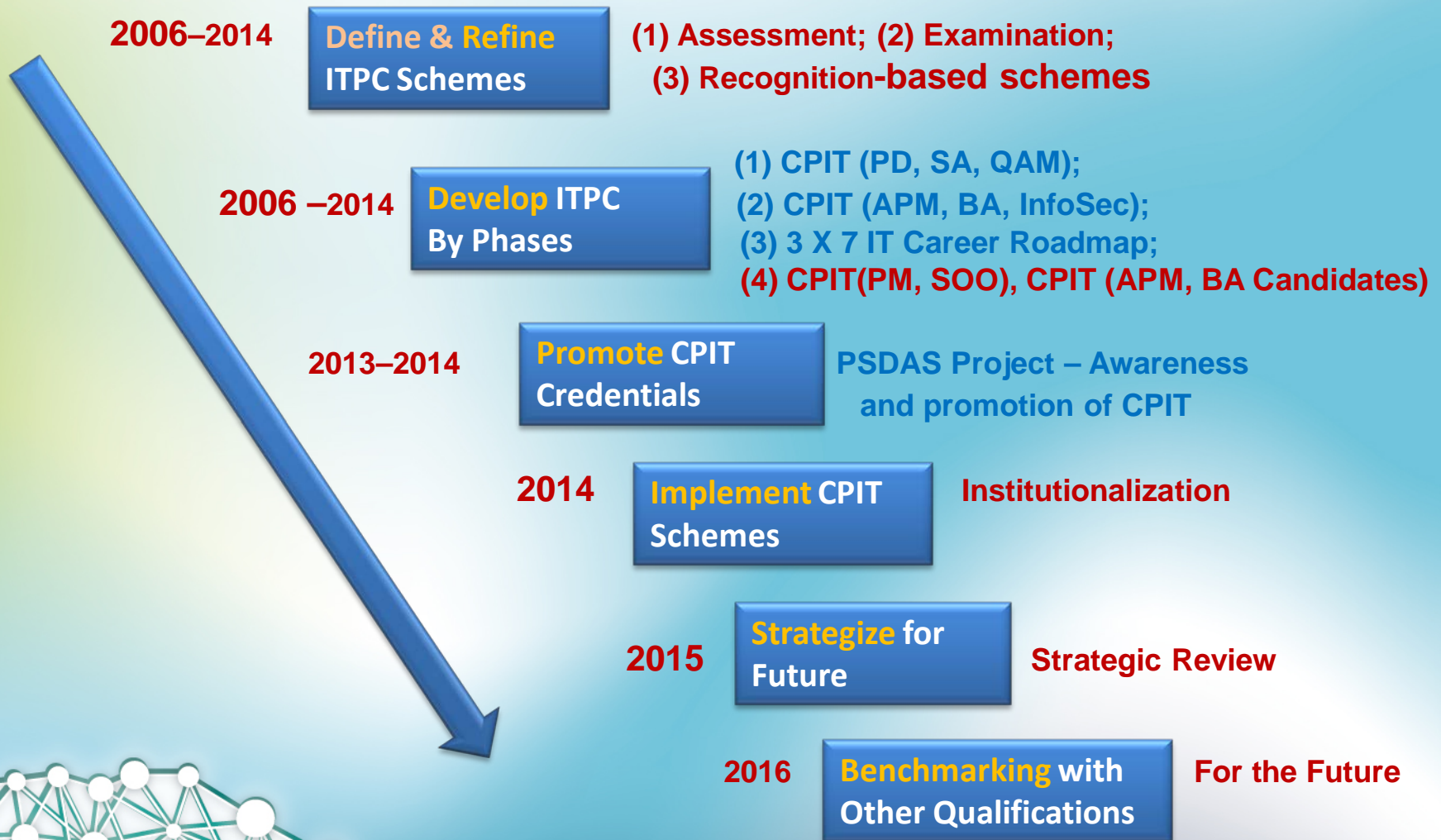
Hong Kong CPIT Professional Certification

by Hong Kong Institute for IT Professional Certification (HKITPC)

HKQF International Conference 2018

17 September 2018

Development of IT Professional Certification (ITPC) Scheme



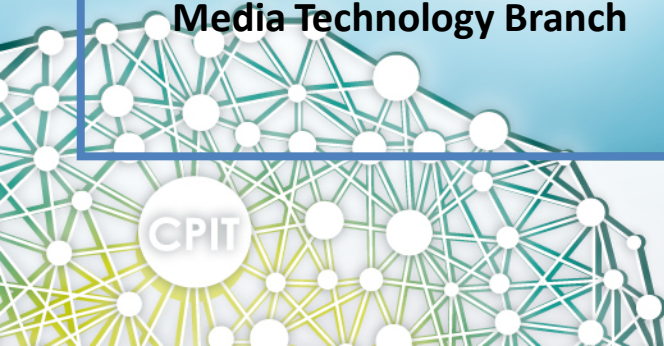
Milestones

Education Bureau – Qualifications Framework (QF)

- 2005 - Establishment of Information and Communications Technology Industry Training Advisory Committee“ (ITAC)
- 2007 – Completion of Specification of Competency Standards (SCS) for **Software Products & Software Services Branch**
- 2011 – Completion of SCS for **Communications & Information Services Branch**
- 2017 – Completion of SCS for **Operation and Support**
- 2018 – Completion of SCS for **Digital Media Technology Branch**

HK Computer Society – Hong Kong Institute of IT Professional Certification (HKITPC)

- 2007 – Establishment of HKITPC
- 2007 – Completion of ITPC **Assessment Scheme** for CPIT (PD, SA, QAM) credentials
- 2010 – Completion of ITPC **Examination Scheme** for CPIT (APM, BA, InfoSec) credentials
- **2011 - Completion of 3 X 7 IT Career Roadmap**
- 2013-14 – Promoting CPIT via PSDAS
- **2014 – Completion of Recognition based CPIT (PM, SOO)**
- **2014 – Agreement signed with PolyU on Examination Exemption Scheme** for CPIT (BA, APM Candidate) for undergrad



Hong Kong Information Technology Industry 3 X 7 Generic Job Titles Matrix

Job Category Competency Level	Software Engineering /Software Development	Software Quality Assurance	Project Management (IT)	IT Architecture	Service Management and Operation	Information Security	Multimedia
Master	Software Engineering Manager	Software Quality Assurance Manager CPIT(QAM)	IT Project Director CPIT(PD)	IT Architect Manager CPIT(SA)	Service Operation Manager	Information Security Manager	Multimedia Content Manager
Specialist	Senior Software Engineer	Software Quality Assurance Specialist	IT Project Manager CPIT(PM)*	Senior IT Architect	System Operation Specialist	Information Security Specialist	Multimedia Content Specialist
Practitioner	Software Engineer	Software Quality Assurance Professional	Assistant Manager, IT Projects CPIT(APM) CPIT(APM Candidate)	IT Architect CPIT(BA) CPIT (BA Candidate)	System Operation Officer CPIT(SOO)*	Information Security Officer CPIT(InfoSec)	Multimedia Content Developer

** Announced in Jul, 2014*

Certified Professional of IT (CPIT)
by Hong Kong Institute for IT Professional Certification (HKITPC)



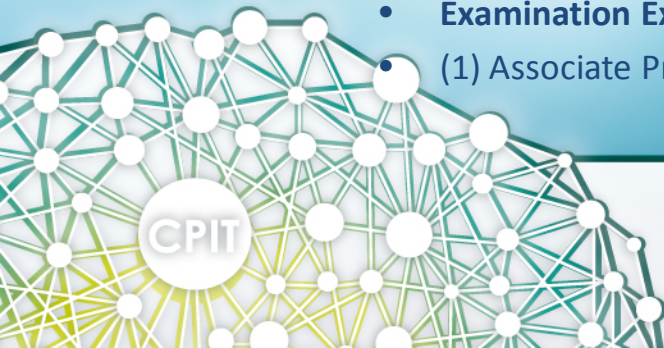
HKITPC Introduction

- **Objectives**

- **Administer a certification system** for all levels of IT professionals ultimately
- Establish and develop a self-regulatory framework of such a certification system
- **Raise the status and standards** of IT professionals to foster Hong Kong IT industry's development & competitiveness

- **CPIT Credentials offered**

- **Master Level (min. 8-10 years relevant experience)**
(1) Project Director, (2) Systems Architect, (3) Quality Assurance Manager
- **Specialist Level (min. 5 years relevant experience)**
(1) Project Manager
- **Practitioner Level (min. 2 years of IT experience)**
(1) Associate Project Manager, (2) Information Security Officer, (3) Business Analyst,
(4) System Operation Officer
- **Examination Exemption (undergrad)**
(1) Associate Project Manager Candidate, (2) Business Analyst Candidate



Objectives of CPIT (Certified Professional of IT)

- To raise the professional status and recognition of IT professionals **(individual)**
- To provide a yardstick for employers for recruitment of IT professionals **(corporations for recruitment)**
- To establish a quality standard for service providers for contract bidding **(corporations for tendering)**
- To introduce the learning curriculum into the academic institutions as the demand grows **(academic for learning)**
- To administer and uphold the standard of the certification system **(HKITPC)**



Benefits to Employers

- Standard setting for the **recruitment** of IT professionals
- **Better assurance** of IT staff's professional competence with relevant capability, knowledge & skills
- **Strengthen the IT resource pool** with recognized certified professional
- Continuous **update and upgrade on IT staff's** knowledge through recertification and additional certification

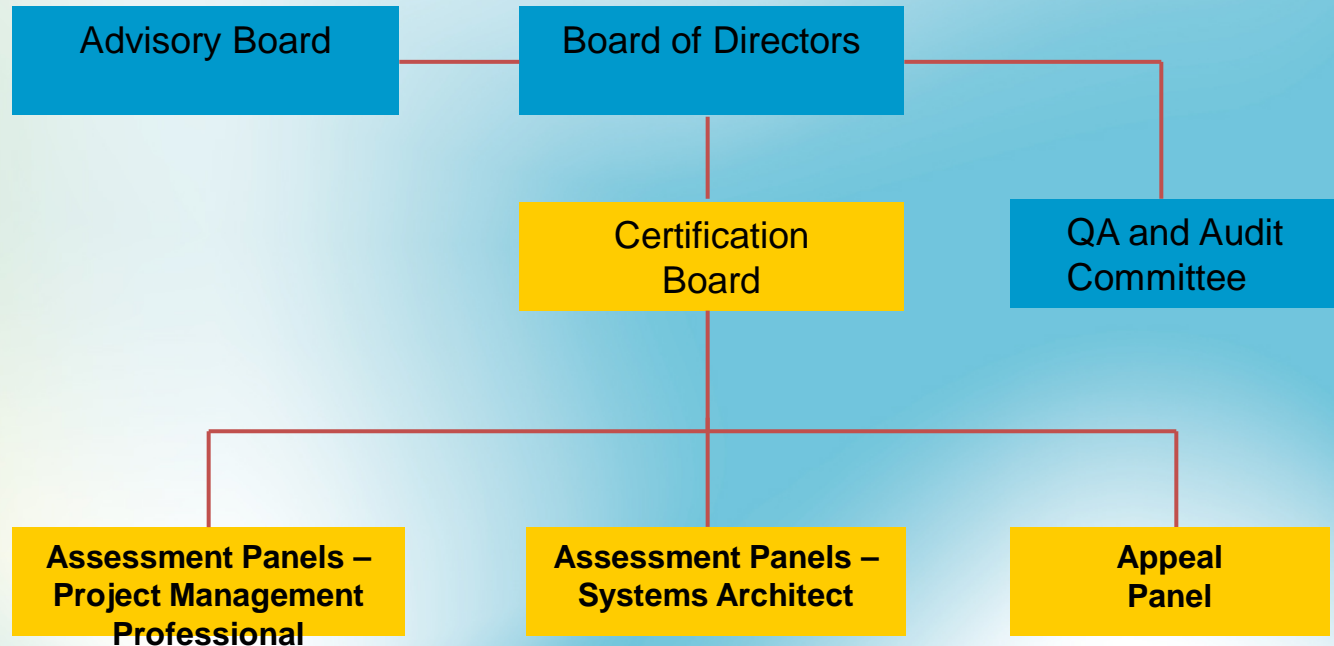



Benefits to Individuals

- **Recognition** of IT professional status
- **Value-add** to personal profile
- **Upgrade and update** on IT knowledge
- Distinct and structural **roadmap** for professional development



Governance of the ITPC

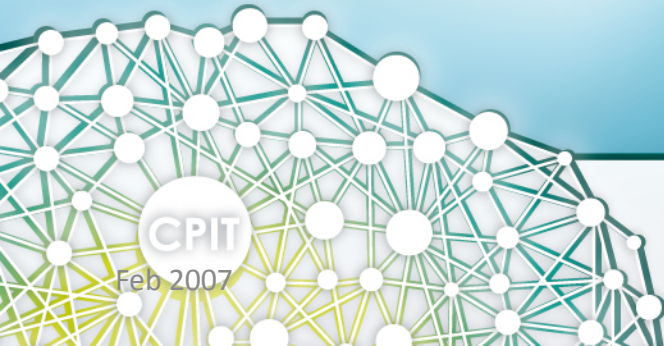


 Execution body of HKITPC



The Certification Board

- Responsible for the methodology, planning and execution of the certification program
 - Oversee the certification process, including the appeal process
 - Responsible for the assessment methods and marking scheme
 - Responsible for select, evaluate and appoint assessors
 - Appoint assessors to assessment panel
 - Review all assessment reports, pass or fail to pass, and make the final decision on the outcome of the certification award



The Benchmarking Exercise

- Invited by the Education Bureau of the Hong Kong Special Administrative Region (HKSAR) Government in 2016
- Participated in a project with one of its professional qualifications, Certified Professional of IT (CPIT) (Project Director or PD) benchmarking against the standards under the Hong Kong Qualifications Framework (HKQF)
- After about eight months of work, the outcome is that the CPIT(PD) of HKITPC of HKCS is benchmarked as comparable to Level 6 under the HKQF



Opportunities and Challenges

- Gained recognition by an external accreditation body
- Established credibility of the CPIT credentials
- Laid a strong foundation for future development and recognition by the IT community

- IT moves very fast, or too fast! – Fintech, AI, Blockchain, etc.
- Development and market focus not really in Hong Kong but more in Mainland China
- IT professionals need to know not just IT knowledge but also business and market knowledge, not just corporate environment but also consumer market and general public



How HKQF can help?

- **Co-understand** the market needs
- **Co-create** the professional qualifications
- **Co-develop** the credentials
- **Co-work** with the IT/CPIT professional community
- **Co-promote and co-enhance** the ITPC scheme





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