

Minutes of the 1st Meeting
Multi-functional Smart Lampposts
Technical Advisory Ad Hoc Committee

Date: 12 August 2019 (Monday)

Time: 4:30 p.m. – 6:45 p.m.

Venue: Conference Room, 15/F Wanchai Tower, Wan Chai

Present:

Convenor

Mr Victor LAM Government Chief Information Officer

Members (*list by order of surname*)

Dr K P CHOW Associate Professor, Department of Computer Science,
The University of Hong Kong

Mr Francis FONG Honorary President, Hong Kong Information
Technology Federation

Mr Stephen HO Honorary Chairman, Communications Association of
Hong Kong

Ir Prof Joseph NG Professor and Director of the Research Centre for
Ubiquitous Computing, Department of Computer
Science, Hong Kong Baptist University

Mr Ronald PONG Chairman, IT Governance Committee, Smart City
Consortium

Dr Lawrence POON General Manager, Hong Kong Productivity Council

Dr K F TSANG Associate Professor, Department of Electrical
Engineering, City University of Hong Kong

Mr Stephen Kai-yi WONG Privacy Commissioner for Personal Data

Mr Wilson WONG Chief Executive Officer, Hong Kong Internet
Registration Corporation Limited

OGCIO Representatives

Mr Tony WONG	Assistant Government Chief Information Officer (Industry Development) [AGCIO(ID)]
Mr Jason PUN	Assistant Government Chief Information Officer (Cyber Security and Digital Identity) [AGCIO(CSD)]

In Attendance

Ms Clara WONG	Assistant Legal Counsel, Office of the Privacy Commissioner for Personal Data
Mr Alan LO	Principal Assistant Secretary for Innovation and Technology (4), ITB
Mr Nelson IP	Chief Engineer / Lighting, HyD
Mr Rex TONG	Chief Systems Manager (Smart City), OGCI0
Mr Tony KM WONG	Chief Systems Manager (Security), OGCI0
Ms Sue KO	Systems Manager (Security)13, OGCI0

Secretary

Ms Peggy POON	Senior Systems Manager (Smart City)2 Ag., OGCI0
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Absent with apology:

Mr Vincent CHAN	Partner, Ernest & Young Advisory Services Limited
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Discussion:

Membership, Terms of Reference and High-level Work Plan

Convenor welcomed Members to the Technical Advisory Ad Hoc Committee and briefed Members on the composition of the Committee. Convenor advised Members to observe relevant guidelines on declaration of interests by members of public councils, boards and committees.

2. For transparency of the work of the Committee, Convenor informed Members that meeting papers and minutes would be uploaded to the “Multi-functional Smart Lampposts Pilot Scheme” thematic webpage on the OGCIO website for public access.

3. The Meeting endorsed the proposed terms of reference. Members further discussed and agreed on the high-level work plan covering meeting schedule, tentative tasks and expected deliverables for the subsequent meetings.

Background of the Multi-functional Smart Lampposts Pilot Scheme, Personal Privacy and Information Security Measures

4. AGCIO(ID) briefed Members on the background of the Multi-functional Smart Lampposts Pilot Scheme, including objectives, implementation schedule, consultations conducted, functions of smart devices, security measures and the latest public concerns on privacy protection. He also provided summaries of the privacy impact assessment conducted and the consultation with the Privacy Commissioner for Personal Data for the purpose of strengthening personal data and privacy protection. In view of the public concern over some of the applications which touched on privacy, some functions of the lampposts were not activated at this stage, which included the monitoring of illegal dumping with the aid of cameras located near black spots by the Environmental Protection Department, the assessment of road use by different types of vehicles enabled by Bluetooth traffic detectors and cameras collecting car plate numbers by the Transport Department.

Security Assessments and Reviews Conducted by Independent Third Parties

5. AGCIO(CSD) briefed Members on the several independent security assessments for the smart lampposts. Three security assessments were performed by different independent consultants from May to June 2019: (i) security risk assessment and audit on the hardware and software components; (ii) penetration tests on wireless services; and (iii) holistic security assessment on the integrated system and processes. According to the consultants, overall there were no high

risk or major issues identified and system launch could proceed as planned in late June 2019. Most of the low risk issues had also been addressed before system launch, with only a few areas of improvement to be implemented in the coming few months.

Views/Comments from Members

6. Members noted the comprehensive measures on privacy protection and related information security put in place for the smart lampposts. After deliberation, Members suggested for the Government's consideration the following measures to further enhance privacy protection and better address public concerns:

- study the feasibility of adopting other new technologies (e.g. using radar and LiDAR technologies, instead of camera, to detect vehicle type and travel speed) to mitigate privacy concern;
- use edge computing on the lampposts to filter out personal identifiable information before sending the data collected through the lampposts to government departments;
- engage credible experts or organisations to perform assessment and audit on data flow control to ensure, among others, no data being sent to unintended third parties;
- select suitable lamppost locations for individual devices and applications (e.g. select lampposts at remote areas or on less pedestrian-busy streets to install cameras for detecting illegal dumping of construction wastes);
- let the public know the kinds of data being collected by the smart lampposts, and enhance visibility and public awareness (e.g. through city dashboard and/or mobile app);

- use more animation, video and image in the promotion materials which will be more effective to address public concerns on personal privacy and information security; and
- consider adopting other emerging Internet of Things technologies as applicable in the smart lampposts.

7. Convenor said that representatives from relevant government departments would be invited to attend the next Committee meeting to provide more details about their applications, including measures to protect personal privacy and information security. Members' advice would then be sought.

Any Other Business

8. There being no other business, the meeting adjourned at 6:45 p.m.

**Office of the Government Chief Information Officer
August 2019**