

Minutes of the 6th Meeting
Multi-functional Smart Lampposts
Technical Advisory Ad Hoc Committee

Date: 17 January 2020 (Friday)

Time: 2:30 p.m. – 4:15 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*)

Mr Vincent CHAN Partner, Ernst & Young Advisory Services Limited

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

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

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

Mr Stephen Kai-yi WONG Privacy Commissioner for Personal Data

OGCIO Representatives

Mr Kingsley WONG	Assistant Government Chief Information Officer (Industry Development) [AGCIO(ID)]
Mr Tony KM WONG	Assistant Government Chief Information Officer (Cyber Security and Digital Identity) Ag. [AGCIO(CSD)]

Representatives from Transport Department

Ms Shirley LEUNG	Senior Engineer/Survey & Projects
Mr Gary LEUNG	Engineer/Projects 2
Mr Bryan KWOK	Engineer/Smart Mobility 51

In Attendance

Ms Clara WONG	Assistant Legal Counsel, Office of the Privacy Commissioner for Personal Data
Mr Tony CK WONG	Deputy Government Chief Information Officer [DGCIO], OGCI O
Mr Alan LO	Principal Assistant Secretary for Innovation and Technology (4), Innovation and Technology Bureau
Mr Nelson IP	Chief Engineer / Lighting, HyD
Mr Rex TONG	Chief Systems Manager (Smart City), OGCI O
Ms Peggy POON	Systems Manager (Smart City) ²¹ , OGCI O

Secretary

Mr Dantes TANG	Senior Systems Manager (Smart City) ² , OGCI O
----------------	---

Absent with apology:

Mr Stephen HO	Honorary Chairman, Communications Association of Hong Kong
---------------	--

Mr Ronald PONG

Chairman, IT Governance Committee, Smart City Consortium

Discussion:

Opening Remarks

Convenor welcomed Members to the sixth meeting of the Multi-functional Smart Lampposts Technical Advisory Ad Hoc Committee. He introduced Mr Kingsley WONG, who took up the post of AGCIO(ID) with effect from 19 December 2019, to Members. He also thanked the representatives from the Transport Department (TD) for joining the meeting to provide preliminary feedback on testing of the replacement technologies for their respective applications.

Confirmation of Minutes of Last Meeting

2. The draft minutes of the fifth meeting held on 10 December 2019 had been circulated to Members with their comments duly incorporated and were uploaded to the smart lampposts thematic webpage on OGCIO website for public reference on 27 December 2019. The minutes were confirmed without amendments.

Progress Update

3. AGCIO(ID) updated Members on the progress of exploring replacement technologies for concerned smart lamppost applications. A proof-of-concept (PoC) trial of using LiDAR as a substitute of camera in detecting vehicle speeds and identifying vehicle types in the traffic was conducted. On the other hand, viable alternative technologies were yet to be identified for other applications including monitoring of illegal dumping, collection of traffic snapshot images and monitoring of traffic condition using cameras as well as detection of journey time and average vehicular speed using Bluetooth Detector. OGCIO and relevant

departments would continue to explore suitable replacement technologies for these applications.

4. AGCIO(ID) shared with Members the interim results of the PoC trial of LiDAR. Members found the interim results positive, and agreed that LiDAR was more privacy-friendly and could be considered for installation on the smart lampposts for measuring vehicular speeds and classifying vehicles into board categories subject to the results of further testing in the PoC. Ms Shirley LEUNG expressed that TD would continue to work with OGCIO to test the performance and accuracy of LiDAR in different road situations, including on multiple traffic lanes, to ensure LiDAR was viable for installation on the smart lampposts and applicable for traffic management.

Discussion on the Detailed Recommendations of the Committee

5. An initial draft Committee report was tabled to Members at the meeting, which summarised Members' key recommendations at previous meetings on different aspects of the project, including Principles, Technologies Used, Lamppost Design, Support for 5G Implementation, Governance for New Applications, Promotion and Public Engagement.

6. Members made the following preliminary comments on the draft report:

- (a) The report should adopt a people-oriented perspective by highlighting the benefits of the smart lampposts brought about to general public, with reference to the implementation experiences of other cities;
- (b) The report should incorporate more elaboration on the need and benefits of using smart lampposts as an important infrastructure for 5G network development in the case of Hong Kong; and
- (c) The report should elaborate the entire life cycle of data, including how data is collected from smart lampposts, how data would be used, managed and deleted with reference to the compliance requirements promulgated in the Personal Data (Privacy) Ordinance, Cap. 486 (PDPO), in particular the Data Protection Principles contained in Schedule 1 to the PDPO.

7. Members also provided further views and comments on different aspects of the project :

- Government should strike a balance between transparency and security protection to ensure that publication of project specifications and technical details would not compromise the security protection of the system and the applications;
- Government should ensure full compliance with relevant security and personal data privacy requirements as well as the governance mechanisms before allowing the use of the smart lampposts, devices and data collected etc., for student research projects; and
- Before installing 5G base station on smart lampposts, for health consideration, Government should define clearly the minimum distance between any 5G base stations and the domiciles of citizen, and strictly enforce the requirement.

Way Forward

8. Convenor expressed gratitude to Members for providing their initial comments to the draft report. The Secretary would incorporate Members' initial feedback into the draft report and issue a revised version for Members' further review, with a view to seeking Members' endorsement of the final report in the last meeting scheduled for 11 February 2020.

(Post Meeting Note: In view of the latest development of the novel coronavirus inflection, the next meeting originally scheduled for 11 February 2020 is postponed until further notice.)

Any Other Business

9. DGCI0 briefed Members on the views and comments received from Members of the Kwun Tong District Council at the two briefing sessions on the smart lampposts pilot scheme held on 9 and 16 January 2020 respectively.

10. AGCIO(ID) updated Members that following Members' suggestion of replacing cameras in smart lampposts with replacement technologies, the only camera currently operating on a smart lamppost for providing traffic snapshot images at Shing Kai Road had been switched off since 14 January 2020.

11. There being no other business, the meeting adjourned at 4:15 p.m.

**Office of the Government Chief Information Officer
February 2020**