

**RADIO SPECTRUM AND TECHNICAL STANDARDS**  
**ADVISORY COMMITTEE**

**Minutes of the Nineteenth Meeting**  
**held at 2:30 p.m., Wednesday, 12 December 2018**  
**in Conference Room 2020, Wu Chung House, Wan Chai**

**Present**

Mr C K Cheng	Chairman (OFCA staff)
Mr Desmond Chan	Representative of WTT HK Limited
Ms Diana Chan	Representative of the Hong Kong Police Force
Mr Alex Cheng	Representative of China Mobile Hong Kong Company Limited
Mr Carlson Chu	Representative of PCCW Media Limited / HK Television Entertainment Limited
Mr H M Ho	Ad Personam
Mr W L Ho	Representative of amateur radio societies as a group
Mr H C Hung	Representative of carrier licensees not providing domestic retail fixed services as a group, and external fixed carrier / unified carrier (external fixed services) licensees as a group
Mr Dickson Ip	Representative of ComNet Telecom (HK) Limited
Mr Kan Kan	Representative of the Hong Kong Police Force
Mr S M Ko	Representative of Metro Broadcast Corporation Limited
Dr Keith Kwok	Representative of Consumer Council
Ir Wilson Kwok	Representative of the Hong Kong Institution of Engineers
Ir Ricky Kwong	Representative of the Hong Kong Institution of Engineers
Mr Patrick Lam	Representative of Hong Kong Cable Television Limited / Fantastic Television Limited
Mr Paul Lam	Representative of Hong Kong Commercial Broadcasting Company Limited
Mr Voller Lam	Representative of HGC Global Communications Limited
Mr Dennis Lau	Representative of SmarTone Communications Limited / SmarTone Mobile Communications Limited
Mr Michael Lee	Representative of EU ICT Council in Hong Kong and Macau
Mr Richard Leung	Representative of Hong Kong Broadband Network Limited / HKBN Enterprise Solutions Limited
Mr George Mak	Representative of Consumer Council
Mr S Y Ngan	Representative of Radio Television Hong Kong

Mr S M Shuen	Representative of Hong Kong Telecommunications (HKT) Limited / PCCW-HKT Telephone Limited and Hong Kong Telecommunications (HKT) Limited / PCCW Global (HK) Limited / Genius Brand Limited
Dr K F Tsang	Representative of the Institution of Engineering and Technology Hong Kong
Ir Angel Wong	Representative of Hong Kong Productivity Council
Dr Simon Wong	Representative of Independent Commission Against Corruption
Ms Vicky Wong	Representative of Asia Satellite Telecommunications Company Limited
Dr Rui Zhang	Representative of Asia Satellite Telecommunications Company Limited
Mr Wilson Lee	Secretary (OFCA staff)

### **Absent with Apologies**

Mr Vincent Chen	Representative of services-based operators (MVNO and ETS operators only) as a group
Mr Xun Chen	Representative of APT Satellite Company Limited
Mr Sutton Cheung	Representative of the local industry associations as a group
Mr Joseph Ho	Representative of Civil Aviation Department
Mr Garry Kum	Representative of Television Broadcasts Limited
Mr T M Lau	Representative of Hutchison Telephone Company Limited
Mr Ralph Riley	Representative of Public Radiocommunications Service (PRS) and Wireless Internet of Things (WIOT) licensees as a group

### **In Attendance**

Mr P H Ma	OFCA staff
Mr L H Ting	OFCA staff
Mr Warren Kwok	OFCA staff
Mr C H Chan	OFCA staff
Mr Ken Sit	OFCA staff
Mr S Y Yung	OFCA staff

### **Observer**

Mr Ken Cheung	Representative of SmarTone Communications Limited / SmarTone Mobile Communications Limited
Mr C Y Chung	Representative of carrier licensees not providing domestic retail fixed services as a group

1. The Secretary said that this was the first meeting of the term 2018 – 2020 and a new industry sector, the Public Radiocommunications Services and Wireless Internet of Things licensees as a group, had joined as a member of SSAC. The Chairman welcomed all members to the meeting.

### **Agenda Item 1: Matters Arising from the Previous Meeting**

#### **Item 2 of the 18th SSAC Meeting (Proposed Allocation of the 39.5 – 40.5 GHz to the Fixed Service and Mobile Service)**

2. The Secretary reported that, after the last SSAC meeting, Asia Satellite Telecommunications Company Limited (“AsiaSat”) submitted in September 2018 and November 2018 its comments on the proposed frequency allocation. He said that OFCA had taken note of AsiaSat’s submitted views.

#### **Item 4 of the 18th SSAC Meeting (Proposed Revision to HKCA 1075 Performance Specification for Short-Range Radar Operating in the 79 GHz Band)**

3. The Secretary reported that, after the last SSAC meeting, OFCA had not received any comment from Members on the draft revised specification HKCA 1075. Accordingly, the revised HKCA 1075 was adopted and posted on OFCA’s website in September 2018.

### **Agenda Item 2: Proposed Additional Allocation of the 9000 – 9200 MHz Band to the Radiolocation Service (SSAC Paper 8/2018)**

4. Mr Wilson Lee introduced SSAC Paper 8/2018 which proposed an additional allocation of the 9000 – 9200 MHz band to the radiolocation service on a co-primary basis with the existing aeronautical radionavigation service.

5. In reply to Dr K F Tsang’s enquiry, Mr L H Ting said that radiolocation service was relating to the use of radio frequencies for estimating the location of objects. He further explained that a new radio base station of a co-primary service should not cause harmful interference to, and would not be protected from harmful interference caused by, existing stations of other co-primary services. In gist, the base stations of co-primary service would be protected from radio interference caused by other co-primary service on a first-come-first-served basis. In contrast, the base station of a secondary service should not cause harmful interference to and could not claim protection from harmful interference caused by the base stations of primary service.

6. The Chairman invited Members to provide comments on the proposed frequency allocation, if any, by 27 December 2018.

**Agenda Item 3: Hong Kong's Preliminary Positions on Agenda Items for World Radiocommunication Conference 2019 (SSAC Paper 9/2018)**

7. Mr Ken Sit introduced SSAC Paper 9/2018 which sought Members' views on Hong Kong's preliminary positions on the respective agenda items ("AIs") of the World Radiocommunication Conference 2019 ("WRC-19"). During the presentation, he highlighted to the members on a few editorial improvements on the preliminary positions as drafted for AI 1.10 by deleting "revision to Radio Regulations", for Issues 9.1.6, 9.1.8 and 9.1.9 of AI 9.1 by simplifying the wordings to "neutral" and for AI 1.14 by deleting "under the allocation table". Members noted.

8. For AI 1.11, Mr S M Shuen said that several frequency bands allocated to mobile services had been proposed for use by railway radiocommunication systems between train and trackside. In response to his question on compatibility with existing land mobile services, Mr L H Ting said that when considering the identification of frequency bands for a new service, ITU would conduct studies on, among others, its compatibility with the existing services before making any recommendations. OFCA would make reference to such recommendations when considering the use of the relevant frequency bands in Hong Kong. Mr P H Ma added that SSAC would be consulted on any proposed new frequency allocation in Hong Kong.

9. For AI 1.13, Dr Rui Zhang proposed that, similar to the drafting of Hong Kong preliminary positions for other applicable AIs, the phrase "should be subject to satisfactory results of compatibility studies" be added to the Hong Kong preliminary position for AI 1.13. Mr P H Ma responded that it was an established practice that ITU Working Groups would conduct compatibility studies for all AIs and to report their study results for consideration by WRC-19. He considered that the current drafting, i.e. supported the identification of frequency bands for International Mobile Telecommunications ("IMT") in AI 1.13, was appropriate. The Chairman added that although WRC-19 would identify and harmonise frequency bands for IMT on a regional or global basis, respective administrations would have the discretion to decide on the adoption of any such bands for IMT services taking into account their specific local situation and requirements.

10. Mr Michael Lee said that compatibility between IMT and existing services would be important when releasing any relevant band to the industry. The Chairman added that, when making proposal for allocating a particular band for IMT, OFCA would duly consider the industry demand, international development trend, potential impacts on existing users, and feasibility on band clearance as applicable.

11. The Chairman said that the Conference Preparatory Meeting (“CPM”) for WRC-19 would be held in February 2019. OFCA would consider CPM’s outcomes and co-ordinate with the Mainland authority to finalise Hong Kong’s positions on WRC-19 AIs. The Chairman welcomed inputs from Members on the matter.

12. The Chairman said that WRC-19 would be held in Egypt from 28 October to 22 November 2019 and Hong Kong would attend WRC-19 as a member of the Chinese delegation. Members interested in joining the conference could contact the Secretary for details.

#### **Agenda Item 4: Brief on Telecommunications (Control of Interference) Regulations (SSAC Paper 10/2018)**

13. Mr S Y Yung introduced SSAC Paper 10/2018 and gave a brief on the Telecommunications (Control of Interference) Regulations (Cap. 106B) (“the Regulations”) that set out the control limits for six classes of electrical and electronic apparatus with a view to avoiding unacceptable interference to lawful telecommunications equipment and services.

14. Mr S Y Yung said that the Regulations adopted widely recognised international, regional and national standards for reference and for compliance by the industry. In this connection, the Communications Authority (“CA”) might, by order published in the Gazette, amend the control limits stipulated in the Regulations to reflect any change in the relevant standards or regulations published or adopted by the standards bodies. Mr L H Ting said that OFCA would keep in view the development of the relevant standards and advise the CA to update the control limits, as and when necessary, to align with the international best practice.

15. Mr S M Shuen asked how compliance to the Regulations was determined given that the Regulations stipulated multiple standards covering a particular class of apparatus. Mr S Y Yung replied that compliance with any one of the stipulated standards would be acceptable.

**Agenda Item 5: Any Other Business**

16. There being no other business, the meeting was adjourned at 4:10 p.m.

**Office of the Communications Authority  
February 2019**