

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

**Minutes of the Twenty-second Meeting**  
**held at 2:30 p.m., Tuesday, 14 January 2020**  
**in Conference Room 2020, Wu Chung House, Wan Chai**

**Present**

Mr C K Cheng	Chairman (OFCA staff)
Mr Desmond Chan	Representative of Hong Kong Broadband Network Limited / HKBN Enterprise Solutions Limited
Mr Vincent Chen	Representative of services-based operators (MVNO and ETS operators only) as a group
Mr Alex Cheng	Representative of China Mobile Hong Kong Company Limited
Mr Sutton Cheung	Representative of the local industry associations as a group
Mr Carlson Chu	Representative of PCCW Media Limited / HK Television Entertainment Limited
Mr H M Ho	Ad Personam
Mr Joseph Ho	Representative of Civil Aviation Department
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 S M Ko	Representative of Metro Broadcast Corporation Limited
Mr Allan Kwan	Representative of PCCW Media Limited / HK Television Entertainment Limited
Dr Keith Kwok	Representative of Consumer Council
Ms Patsy Kwok	Representative of the Hong Kong Police Force
Ir Wilson Kwok	Representative of the Hong Kong Institution of Engineers
Ir Ricky Kwong	Representative of the Hong Kong Institution of Engineers
Mr Paul Lam	Representative of Hong Kong Commercial Broadcasting Company Limited
Mr S H Lam	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 Dennis Lau	Representative of SmarTone Communications Limited / SmarTone Mobile Communications Limited
Mr S Y Ngan	Representative of Radio Television Hong Kong

Mr W K Shiu	Representative of the Hong Kong Police Force
Mr Johnny Siu	Representative of amateur radio societies as a group
Mr Jing Su	Representative of APT Satellite Company Limited
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
Mr Man Yuen	Representative of Television Broadcasts Limited
Dr Rui Zhang	Representative of Asia Satellite Telecommunications Company Limited
Mr Alex Tang	Secretary (OFCA staff)

### **Absent with Apologies**

Mr Raymond Chan	Representative of Hong Kong Cable Television Limited / Fantastic Television Limited
Mr T M Lau	Representative of Hutchison Telephone Company Limited
Dr K C Lee	Representative of Local Certification Bodies as a group
Mr Michael Lee	Representative of EU ICT Council in Hong Kong and Macau
Mr Ralph Riley	Representative of Public Radiocommunications Service (PRS) and Wireless Internet of Things (WIoT) licensees as a group
Mr Michael Shiu	Representative of HGC Global Communications Limited
Dr K F Tsang	Representative of the Institution of Engineering and Technology Hong Kong

### **In Attendance**

Mr L H Ting	OFCA staff
Mr P H Ma	OFCA staff
Mr Ken Sit	OFCA staff
Mr Joe Ching	OFCA staff
Mr Eric Wong	OFCA staff
Mr Ivan Chan	OFCA staff
Mr C H Chan	OFCA staff
Mr K L Yeung	OFCA staff
Mr Gary Lam	OFCA staff
Mr Jack Yip	OFCA staff
Mr Charles Chow	OFCA staff
Ms Stacy Lam	OFCA staff
Mr Gap Cheuk	OFCA staff

**Observer**

Mr Eric Chau	Representative of Traxcomm Limited
Mr Adrian Lee	Representative of Hong Kong Telecommunications (HKT) Limited / PCCW-HKT Telephone Limited and Hong Kong Telecommunications (HKT) Limited / PCCW Global (HK) Limited / Genius Brand Limited
Mr K H Yip	Representative of Airport Authority

**Agenda Item 1: Matters Arising****Item 5 of the 21st SSAC Meeting (Brief on Local Standards for 5G Radio Equipment Certification)**

1. The Secretary reported that, after completion of spectrum auctions of the 3.3 GHz, 3.5 GHz and 4.9 GHz bands in October/November 2019, the Office of the Communications Authority (“OFCA”) issued the type acceptance criteria for the fifth generation mobile (“5G”) radio equipment operating below 6 GHz in Hong Kong. Equipment suppliers could approach local certification bodies to apply for type acceptance of their 5G radio equipment.

**Agenda Item 2: Update on the Use of Sub-6 GHz Spectrum for Public Mobile Services in Hong Kong (II) (SSAC Paper 1/2020)**

2. Mr Ivan Chan presented SSAC Paper 1/2020, which summarised the preliminary views of incumbent mobile network operators (“MNOs”) as collected in their respective interviews with OFCA in November 2019 in relation to the planning of the 2.6 GHz band upon expiry of the current assignment term in 2024.

3. The Chairman said that OFCA would develop a proposal on the arrangement for re-assignment of the relevant spectrum of the 2.6 GHz band due for expiry in 2024 taking into account the expressed views of all MNOs for consideration of the Communications Authority (“CA”) and seek the CA’s approval for conducting a public consultation in this regard in the second quarter of 2020. Members and industry players would be welcome to give any further views in response to the aforesaid public consultation.

**Agenda Item 3: World Radiocommunication Conference 2019 Decisions (SSAC Paper 2/2020)**

4. Mr Ken Sit presented SSAC Paper 2/2020, which reported the outcomes of the World Radiocommunication Conference as convened in Sharm el-Sheikh, Egypt, from 28 October to 22 November 2019 (“WRC-19”) and proposed new frequency allocations of Hong Kong to align with the WRC-19 decisions.

5. In reply to the enquiry of Ir Angel Wong, the Chairman said that most WRC-19 decisions would come into force from 1 January 2021, except a few which would take effect immediately upon the close of WRC-19. OFCA would report WRC-19’s decisions to the CA and timely seek the CA’s approval on the new frequency allocations highlighted in the SSAC paper 2/2020.

6. The Chairman invited Members to give their views and comments on the concerned frequency allocations, if any, by 3 February 2020.

**Agenda Item 4: Proposed Allocation of the 137 – 138 MHz and 148 – 150.05 MHz Bands to the Mobile-Satellite Service (SSAC Paper 3/2020)**

7. Mr C H Chan introduced SSAC Paper 3/2020, which proposed the allocation of the 137 – 138 MHz and 148 – 150.05 MHz bands to mobile-satellite services (“MSS”) on top of the existing allocations.

8. Mr Joseph Ho asked whether there was any guard band between the 137 – 138 MHz band for the proposed MSS in question and the lower adjacent band designated for aeronautical mobile service. Mr C H Chan replied to the negative. He further explained that, notwithstanding the 137 – 138 MHz band had been used for MSS downlinks for decades and signals from such satellite downlinks were receivable almost everywhere on Earth’s surface, there was no reported interference in this regard. The Chairman added that the concerned satellite system (i.e. Orbcomm) was an existing low earth orbit satellite system registered with the International Telecommunication Union and it had already been in operation for some 20 years. Mr Johnny Siu commented that there was illegal radio equipment operating in the said bands for sale in the market and enquired how OFCA would rectify the situation. The Chairman said that OFCA assisted the CA for the enforcement of the Telecommunications Ordinance (Cap. 106). In this regard, in addition to regular market surveillances, OFCA would act upon complaints, and clamp down any use or sale of illegal radio equipment including those operating in the 138 MHz band once identified.

9. The Chairman invited Members to provide comments on the proposed allocations, if any, by 3 February 2020.

**Agenda Item 5: Proposed Allocation of the 5250 – 5275 kHz Band to the Radiolocation Service (SSAC Paper 4/2020)**

10. Mr Alex Tang introduced SSAC Paper 4/2020, which proposed the allocation of the 5250 – 5275 kHz band to radiolocation service on top of the existing allocation.

11. The Chairman invited Members to provide comments on the proposed allocation, if any, by 3 February 2020.

**Agenda Item 6: Any Other Business**

12. The Chairman said that the CA had published the Spectrum Release Plan for 2020 – 2022 on the websites of CA and OFCA on 10 January 2020, and the Secretary had informed Members accordingly by email on the same day.

13. There being no other business, the meeting was adjourned at 3:20 p.m.

**Office of the Communications Authority  
February 2020**