

**RADIO SPECTRUM AND TECHNICAL STANDARDS  
ADVISORY COMMITTEE**

**Proposed Additional Allocation of  
the 9000 – 9200 MHz Band to Radiolocation Service**

**Introduction**

This paper seeks Members' views on the proposed additional allocation of the 9000 – 9200 MHz band ("the 9100 MHz band") to the radiolocation service on a co-primary basis.

**Background**

2. According to Radio Regulations of the International Telecommunication Union ("ITU"), the 9100 MHz band is allocated to aeronautical radionavigation service and radiolocation service on a co-primary basis in Region 3<sup>1</sup>. Meanwhile, the 9100 MHz band is only allocated to the aeronautical radionavigation service on a primary basis in Hong Kong and there is no utilisation of the band for the time being. Relevant information are given in the Hong Kong Table of Frequency Allocations<sup>2</sup>.

3. The Office of the Communications Authority ("OFCA") has recently received a proposal for the Government use of the 9100 MHz band for radiolocation applications. Before such use would be considered, we need to first consider amending the allocation of the 9100 MHz band in Hong Kong to add an allocation for the radiolocation service accordingly.

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<sup>1</sup> ITU divides the world into Region 1, Region 2 and Region 3 for the purpose of radio spectrum management. Hong Kong situates in Region 3.

<sup>2</sup> The Hong Kong Table of Frequency Allocations can be downloaded from the following hyperlink:  
[https://www.ofca.gov.hk/filemanager/ofca/common/Industry/broadcasting/hk\\_freq\\_table\\_en.pdf](https://www.ofca.gov.hk/filemanager/ofca/common/Industry/broadcasting/hk_freq_table_en.pdf)

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4. As mentioned in paragraph 2, the proposed additional allocation of the 9100 MHz band to the radiolocation service on a co-primary basis is in compliance with the Radio Regulations of ITU.

5. Having considered the potential demand of the 9100 MHz band for radiolocation application, compliance with the Radio Regulations of ITU and the current utilisation of the band, it is recommended that the 9100 MHz band be additionally allocated to the radiolocation service on a co-primary basis as shown in **Annex**.

### **Advice Sought**

6. Members are invited to offer comments on the proposed additional allocation of the 9100 MHz band to radiolocation service. Subject to the Members' comments, OFCA will make a recommendation to the Communications Authority for the aforesaid allocation to take effect.

Office of the Communications Authority  
December 2018

**Existing and Proposed Allocation  
of the 9000 - 9200 MHz Band in Hong Kong**

EXISTING	PROPOSED
<b>9000-9200 MHz</b> AERONAUTICAL RADIONAVIGATION	<b>9000-9200 MHz</b> AERONAUTICAL RADIONAVIGATION RADIOLOCATION
<b>Note:</b> Services in “capitals” : primary services	