



WRC-19

The APT's Position

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Questions

- APG for WRC-2019: Past meetings and APT positions?
- **What** are the drivers to the current APT positions, with respect to A.I. 1.13?
- **What** are the prospects for international agreements at WRC-19, with respect to A.I. 1.13?

APT Preparatory Group for WRC-2019

- The main objective of APG is to organize **coordinated regional activities** for WRCs and RAs in order to **ensure that the interests of APT Members** on Radiocommunication issues are properly represented.
 - develop **APT Common Proposals** (herein after referred to as “ACPs”) for WRCs and on matters related to ITU Radiocommunication Assemblies (RAs);
 - **develop APT contributions to ITU-R Conference** Preparatory Meetings (CPMs); and
 - **assist APT Member countries, especially developing countries**, in their preparations for WRCs, RAs and CPMs.

APT Preparatory Group for WRC-2019

- Past APG activities
 - 4th APG-19: 7 - 12 January 2018, Busan, Korea (Rep. of)
 - 3rd APG-19: 12 - 16 March 2018, Perth, Australia
 - 2nd APG-19: 17 - 21 July 2017, Bali, Indonesia
 - 1st APT Conference Preparatory Group (APG) for WRC-19: 26 - 28 July 2016, Chengdu, China

APT Preparatory Group for WRC-2019

- Target bands
 - Allocation on a primary basis: 24.25-27.5 GHz, 37-40.5 GHz, 42.5-43.5 GHz, 45.5-47 GHz, 47.2-50.2 GHz, 50.4-52.6 GHz, 66-76 GHz and 81-86 GHz
 - Additional allocation: 31.8-33.4 GHz, 40.5-42.5 GHz and 47-47.2 GHz
- Why needed? Diverse usage scenarios and applications
 - eMBB
 - mMTC
 - URLLC

APT Preparatory Group for WRC-2019

- Common understanding at 3rd APG at Perth
 - 13 members provided preliminary views on prioritization of the frequency bands: premature to discuss potential IMT identification
 - Higher priority to the frequency bands under 43.5 GHz
 - Some members are interested in investigating the possibility of IMT identification in the frequency bands above 45.5 GHz
 - “Subject to satisfactory results of sharing and compatibility studies, [APT Members have a preference in prioritizing considerations for IMT identification in the 24.25-27.5 GHz frequency band or portions thereof.](#)” (Preliminary Views on WRC-19 Agenda Item 1.13(APG19-3/OUT-08))

APT positions: bands supported

	Frequency bands (GHz) mentioned in Resolution 238 (WRC-15)											
	24.25-27.5	31.8-33.4	37-40.5	40.5-42.5	42.5-43.5	45.5-47	47-47.2	47.2-50.2	50.4-52.6	66-71	71-76	81-86
IND	S	S	S									
KOR	I	I	I									
NZL	X	X		X	X							
AUS⁽¹⁾	S		S	S	S					S	S	
J	S	S	S	S	S							
SNG	S	S	S	S	S							
MLA	X											
VTN	I	S	S	S	S							
CHN⁽²⁾	X ⁽³⁾		X	X						X	X	X
BGD	X	X										
LAO	S											

Source: Preliminary Views on WRC-19 Agenda Item 1.13(APG19-3/OUT-08)

APT positions: Overlapping bands

APT Members are of the view that this issue would be handled by WRC-19 based on proposals submitted to the conference

1.13 IMT Res. 238 (WRC-15) Frequencies in GHz (TG 5/1)	1.6 NGSO FSS Res. 159 (WRC-15) Frequencies in GHz (WP 4A)	1.14 HAPS Res. 160 (WRC-15) Frequencies in GHz (WP 5C)	9.1 (issue 9.1.9) FSS Res. 162 (WRC-15) Frequencies in GHz (WP 4A)
24.25-27.5	-	24.25-27.5 (Region 2)	-
37-40.5	37.5-39.5 (s-E*)	38-39.5 (globally)	-
40.5-42.5	39.5-42.5 (s-E*)	-	-
47.2-50.2	47.2-50.2 (E-s*)	-	-
50.4-52.6	50.4-51.4 (E-s*)	-	51.4-52.4 (E-s*)
* E-s: Earth-to-space; s-E: space-to-Earth.			

Source: Preliminary Views on WRC-19 Agenda Item 1.13(APG19-3/OUT-08)

Drivers and Prospects for agreements

- **Industry needs.** Which services: eMBB, mMTC, and URLLC? Who is pushing more spectrum allocation?
- **National strategies.**
- **Protection of existing services**
- **Korea's position?**