

WRC-19 Candidate Bands (AI 1.13) Regional Positions

5G

Spectrum bands under study (AI 1.13)

Existing mobile allocation	No global mobile allocation
24.25 – 27.5 GHz	31.8 – 33.4 GHz
37 – 40.5 GHz	40.5 – 42.5 GHz
42.5 – 43.5 GHz	
45.5 – 47 GHz	47 – 47.2 GHz
47.2 – 50.2 GHz	
50.4 – 52.6 GHz	
66 – 76 GHz	
81 – 86 GHz	

CEPT: Preliminary Position (AI 1.13)

CEPT supports sharing and compatibility **studies** for the bands listed in Resolves 2 of Resolution 238 (...), with the focus on the frequency bands 24.25-27.5 GHz, 31.8-33.4 GHz and 40.5-43.5 GHz. In addition, CEPT considers the band 66-71 GHz under this AI.

(...) the **24.25-27.5 GHz** is a clear priority for immediate study within CEPT.

Europe has harmonised the **27.5-29.5 GHz** band for broadband satellite and is supportive of the worldwide use of this band for ESIM. This band is therefore **not available for 5G**.

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37 – 40.5 GHz	40.5 – 42.5 GHz
42.5 – 43.5 GHz	
45.5 – 47 GHz	47 – 47.2 GHz
47.2 – 50.2 GHz	
50.4 – 52.6 GHz	
66 – 76 GHz	
81 – 86 GHz	

ASMG: Position (AI 1.13)

Support initiating **studies** in the frequency bands listed below, which are included in Resolution 238 (WRC 15):

24.25 - 27.5 GHz

31.8 - 33.4 GHz

40.5 - 42.5 GHz

42.5 - 43.5 GHz

Not supporting discussing any study or contribution on the **frequency bands which are not included in Resolution 238** (WRC 15) in the work of Task Group 5/1 (TG 5/1).

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24.25 – 27.5 GHz	31.8 – 33.4 GHz
37 – 40.5 GHz	40.5 – 42.5 GHz
42.5 – 43.5 GHz	
45.5 – 47 GHz	47 – 47.2 GHz
47.2 – 50.2 GHz	
50.4 – 52.6 GHz	
66 – 76 GHz	
81 – 86 GHz	

RCC: Preliminary Position (AI 1.13)

(...) when developing technical conditions and regulatory provisions for the allocation of frequency bands to the MS and their identification for IMT it is necessary to ensure protection of other services having allocation in the considered and adjacent frequency bands taking into account the need in their development.

The RCC Administrations consider it reasonable to perform **studies** on IMT system compatibility first of all in the frequency bands **24.25 – 27.5 GHz, 31.8 – 33.4 GHz and 40.5-42.5 GHz and 66 – 71 GHz**, where global harmonization could be achieved.

Existing mobile allocation	No global mobile allocation
24.25 – 27.5 GHz	31.8 – 33.4 GHz
37 – 40.5 GHz	40.5 – 42.5 GHz
42.5 – 43.5 GHz	
45.5 – 47 GHz	47 – 47.2 GHz
47.2 – 50.2 GHz	
50.4 – 52.6 GHz	
66 – 71 GHz	
71 - 76 GHz	
81 – 86 GHz	

ATU: Preliminary Position (AI 1.13)

APM19-1 considered that there is no prioritization of the bands at this early stage. Possible prioritization to be undertaken after sufficient studies and assessment has been carried out.

APM19-1 invited Administrations to respond to the questionnaire on spectrum needs for IMT under this agenda item issued by WP5D to gather information on views of different countries and submit contribution on this matter to the said WP5D.

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24.25 – 27.5 GHz	31.8 – 33.4 GHz
37 – 40.5 GHz	40.5 – 42.5 GHz
42.5 – 43.5 GHz	
45.5 – 47 GHz	47 – 47.2 GHz
47.2 – 50.2 GHz	
50.4 – 52.6 GHz	
66 – 76 GHz	
81 – 86 GHz	

CITEL: Preliminary Views (AI 1.13)

Brazil, Colombia, USA and Mexico provided preliminary views on AI 1.13.

Existing mobile allocation	No global mobile allocation
24.25 – 27.5 GHz	31.8 – 33.4 GHz
37 – 40.5 GHz	40.5 – 42.5 GHz
42.5 – 43.5 GHz	
45.5 – 47 GHz	47 – 47.2 GHz
47.2 – 50.2 GHz	
50.4 – 52.6 GHz	
66 – 76 GHz	
81 – 86 GHz	

APT: Preliminary Views (AI 1.13)

APT Members support the consideration of additional frequency bands for International Mobile Telecommunications (IMT), including possible additional mobile allocations on a primary basis, in accordance with Resolution **238 (WRC-15)**.

APT Members also support ITU-R studies on spectrum needs for the terrestrial component of IMT and sharing and compatibility studies in accordance with Resolution **238 (WRC-15)**. It is important for these sharing and compatibility studies to take into account protection of services to which the band is allocated on a primary basis.

Existing mobile allocation	No global mobile allocation
24.25 – 27.5 GHz*	31.8 – 33.4 GHz*
37 – 40.5 GHz*	40.5 – 42.5 GHz*
42.5 – 43.5 GHz*	
45.5 – 47 GHz	47 – 47.2 GHz
47.2 – 50.2 GHz	
50.4 – 52.6 GHz	
66 – 76 GHz	
81 – 86 GHz	

* Some APT Members provided preliminary views on frequency bands which should be **studied with priority**.

Reference: APG19-2/OUT-23(Rev.1)

APT: Preliminary Views (AI 1.13)

Preliminary views from some APT Members provided preliminary views on frequency bands which should be studied with priority.

	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	66-76	81-86
CHN	X ¹		X	X							
J	X	X	X	X	X						
KOR	X	X	X								
NZL	X	X		X	X						
VTN	X										

NOTE 1: 24.75-27.5GHz



AI with Overlapping frequency bands **

Organization of the studies

Following understanding was reached between Chairmen to convey to their three respective groups (see Doc. [4A/386](#) – [5C/310](#) – [5-1/103](#) of 20 July 2017):

1.6 – NGSO FSS Res. 159 (WRC-15) (WP 4A)	1.13 – IMT Res. 238 (WRC-15) (TG 5/1)	1.14 – HAPS Res. 160 (WRC-15) (WP 5C)	9.1 (9.1.9) – FSS Res. 162 (WRC-15) (WP 4A)
	24.25-27.5	24.25-27.5 (Reg. 2)	Studies*** by WP 5C
37.5-39.5 (s-E*)	37-40.5	38-39.5 (globally)	
39.5-42.5 (s-E*)	40.5-42.5	Studies*** by TG 5/1	Studies*** by WP 4A
47.2-50.2 (E-s*)	47.2-50.2		
50.4-51.4 (E-s*)	50.4-52.6		51.4-52.4 (E-s*)

* E-s: Earth-to-space; s-E: space-to-Earth.

** Frequency bands in GHz

*** Studies to address mutual compatibility & sharing feasibility among the services/applications for which allocation/identification is envisaged under the corresponding Res. relating to the AI in the overlapping bands



ITU Inter-Regional Workshops on WRC-19 Preparation

[Webpage](#)

**1st Workshop
on 21-22
Nov. 2017**
[Webpage](#)

- To be scheduled halfway through the preparatory cycle
 - ⇒ Presentation and review of the on-going preparatory studies of the ITU-R responsible groups for CPM-19
 - ⇒ Presentation of the organization, preliminary views, draft priorities and positions of the regional groups

**2nd Workshop
[Q4 2018]***

- To be scheduled few months prior to CPM19-2
 - ⇒ Presentation of the Draft CPM Report to WRC-19 (explanation of the draft Methods to satisfy the WRC-19 agenda items)
 - ⇒ Presentation and review of the regional groups' draft views, positions and common proposals

**3rd Workshop
[Q3 2019]***

- To be scheduled few months prior to WRC-19
 - ⇒ Presentation of the CPM & Dir. Reports to WRC-19
 - ⇒ Presentation and review of the regional groups' draft views, positions and common proposals

* Updated information on meeting dates to be provided later on at: www.itu.int/en/events/Pages/Calendar-Events.aspx?sector=ITU-R



1st Workshop – Outline of tentative draft Programme

Day 1 (Tuesday, 21 November 2017)	Day 2 (Wednesday, 22 November 2017)
0900 – 0945 hours, Opening Session Opening addresses and overview of the organization for CPM19-2, RA-19 and WRC-19 by regional groups and BR	0900 – 1000 hours, Session 4 WRC-19 agenda items on Science issues ²
0945 – 1000 hours, Break	
1000 – 1200 hours, Session 1 WRC-19 agenda items on terrestrial issues (mobile, fixed, maritime, aeronautical services) ²	1000 – 1015 hours, Break
1200 – 1330 hours, Lunch Break	1015 – 1200 hours, Session 5 WRC-19 agenda items on Satellite issues ²
1330 – 1440 hours, Session 2 WRC-19 agenda items on terrestrial issues (continued) ²	1200 – 1400 hours, Lunch Break
1440 – 1530 hours, Session 3 WRC-19 agenda items on terrestrial issues (continued) ²	1400 – 1425 hours, Session 6 Other WRC-19 agenda item(s)/issue(s) ²
1530 – 1600 hours, Break	1425 – 1530 hours, Session 7 Discussions on WRC-19 agenda items with overlapping frequency bands
1600 – 1800 hours Celebration of the 90th Anniversary of the CCIR/ITU Radiocommunication (ITU-R) Study Groups	1600 – 1700 hours Concluding and outlook session Closing remarks
1800 – 2000 hours Cocktail Reception by the Director of the BR	

¹ Presentation & explanation of on-going ITU-R preparatory studies for WRC-19 by the resp. groups & of the preliminary draft common views, positions and/or proposals from the regional groups (**African Group/ATU, APT-APG, Arab Group/ASMG, CITEL-PCC.II, RCC, CEPT-CPG**) & organizations like ICAO, IMO, WMO, or other entities, as appropriate – Timing & ordering of the AI/issues is indicative at this stage & may change subsequently as deemed appropriate

Thank you!