

Draft**United States of America****PROPOSALS FOR THE WORK OF THE CONFERENCE****AGENDA ITEM 1.1****Agenda item 1.1**

1.1 to consider additional spectrum allocations to the mobile service on a primary basis and identification of additional frequency bands for International Mobile Telecommunications (IMT) and related regulatory provisions, to facilitate the development of terrestrial mobile broadband applications, in accordance with Resolution **233 (WRC-12)**;

Issue

Addressing frequency bands above 6 425 MHz under WRC-15 Agenda Item 1.1.

Background

Conference Preparatory Meeting (CPM) 15-1 established a dedicated Joint Task Group (JTG-4-5-6-7) to address issues related to WRC-15 Agenda item 1.1 and 1.2¹.

Regarding Agenda Item 1.1, JTG 4-5-6-7 was tasked to develop draft CPM text and perform associated studies in accordance with the provisions of Resolution 233 (WRC-12).

As part of its terms of reference, JTG 4-5-6-7 is to consider the results of studies from Working Party 5D on spectrum requirements for the mobile service, including suitable frequency ranges for IMT, from which JTG 4-5-6-7 is to conduct sharing studies for purposes of developing CPM text.

In Document 4-5-6-7/220, “Final input to Joint Task Group 4-5-6-7 on suitable frequency ranges WRC-15 Agenda Item 1.1”², WP 5D has confirmed and provided to the JTG 4-5-6-7 its final input on suitable frequency ranges for IMT, which in their sum includes the frequency range 410 MHz to 6 425 MHz as suitable.

Over several meetings, WP 5D discussed the suitability of frequencies above 6 425 MHz for IMT for consideration under WRC-15 Agenda Item 1.1. However, as noted in Document 4-5-6-7/220, WP 5D did not include frequencies above 6425 MHz as suitable for IMT under WRC-15 under Agenda Item 1.1, as as WP 5D stated that, “Working Party 5D indicated that it is continuing to consider the frequency ranges above 6 GHz in terms of their suitability for IMT”. In addition, as noted in Document 4-5-6-7/220, “WP 5D also confirms it is continuing to study the

¹ See *Administrative Circular CA/201, Annex 10*, International Telecommunication Union (19 March 2012, Geneva).

² See *ITU-R Document 4-5-6-7/220*

https://www.itu.int/md/dologin_md.asp?lang=en&id=R12-JTG4567-C-0220!!MSW-E

frequency ranges above 6 GHz in the light of the evolution of technology and services, in addition to the already acknowledged suitable frequency ranges in the bands below 6 GHz³.” In consequence, WP 5D did not provide IMT system characteristics and deployment parameters in those frequencies and no sharing studies were conducted in any band above 6 425 MHz between IMT systems and the existing systems or applications operating in frequencies above 6 425 MHz. Therefore, the United States maintains that there should be no new spectrum allocations to the mobile service on a primary basis, nor identification of additional frequency bands for IMT in any band above 6 425 MHz under WRC-15 Agenda Item 1.1.

Proposal:

ARTICLE 5

Frequency allocations

Section IV – Table of Frequency Allocations

(See No. 2.1)

NOC USA/AI 1.1/1

5 570 -7 250 MHz

Allocation to services		
Region 1	Region 2	Region 3
...		
5 925 -6 700	FIXED 5.457 FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B MOBILE 5.457C 5.149 5.440 5.458	
6 700-7 075	FIXED FIXED-SATELLITE (Earth-to-space) (space-to-Earth) 5.441 MOBILE 5.458 5.458A 5.458B 5.458C	

³ See ITU-R Document 4-5-6-7/220

https://www.itu.int/md/dologin_md.asp?lang=en&id=R12-JTG4567-C-0220!!MSW-E

...

-
-
-

248-3 000 GHz

Allocation to services		
Region 1	Region 2	Region 3
...		
275-3 000	(Not allocated)	5.565
...		

Reasons:

This proposal for NOC applies for 6425 MHz and above. As the expert working party on IMT, WP 5D declined to include any frequencies above 6 425 MHz as suitable for IMT, and WP 5D did not provide to JTG 4-5-6-7 IMT system characteristics and deployment parameters in those frequencies. In consequence, no sharing studies were conducted in JTG 4-5-6-7 for any band above 6 425 MHz. Therefore, in accordance with Resolution 233 (WRC-12), there should be no additional “spectrum allocations to the mobile service on a primary basis and identification of additional frequency bands for IMT” in any band above 6 425 MHz.