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| **38 MEETING OF PERMANENT**  **CONSULTATIVE COMMITTEE II:**  **RADIOCOMMUNICATIONS**  **November 8 to 12, 2021**  ***Virtual, Mexico*** | | **OEA/Ser.L/XVII.4.2.38**  **CCP.II-RADIO /doc. /21**  **22 October 2021**  **Original: English** | |
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|  | **PRELIMINARY VIEWS FOR WRC-23**  **AGENDA ITEM 7** | |  |
|  | **(Item on the Agenda: 3.1)** | |  |
|  | **(Document submitted by delegation of the United States of America)** | |  |

**Impact on the sector:**

This document supports the work of CITEL’s PCC.II Working Group for WRC under 3.1 of the agenda.

**Executive Summary:**

This document contains an attachment for the USA preliminary view on WRC-23 Agenda Item 7 for consideration in CITEL´s preparation for WRC-23.

**UNITED STATES OF AMERICA**

**DRAFT PRELIMINARY VIEWS ON WRC-23**

**Agenda Item 7**: to consider possible changes, and other options, in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference, an advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks, in accordance with Resolution 86 (Rev.WRC-07) to facilitate rational, efficient, and economical use of radio frequencies and any associated orbits, including the geostationary-satellite orbit.

**BACKGROUND**: Resolution **86 (Rev. Marrakesh, 2002)** requested that WRC-03 and subsequent WRC’s review and update the advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks. The objective is to simplify or otherwise improve the process and provide the Radiocommunication Bureau (BR) and administrations with cost savings while maintaining the guiding principles outlined in the Constitution and the Radio Regulations.

WRC-03 identified in Resolution **86 (WRC-03)** the scope and the criteria to be used for the implementation of Resolution **86 (Rev. Marrakesh, 2002)**. WRC-07 amended Resolution **86 (WRC-03)** to simplify and eliminate redundant elements. Resolution **86 (Rev.WRC-07)** invites future Conferences to consider any proposals which deal with deficiencies and improvements in the relevant procedures of the Radio Regulations for frequency assignments pertaining to space services which have either been identified by the Radio Regulations Board and included in the Rules of Procedure or by administrations or the BR. Future Conferences should ensure that these procedures and the related Appendices of the Radio Regulations reflect the latest technologies.

WRC-19 contributed to these improvements by implementing changes and clarifications to Articles **9**, **11** and **13** of the Radio Regulations, and adopting associated Resolutions. WRC-19 adopted provisions relating to the bringing into use (BIU) and bringing back into use (BBIU) of frequency assignments to non-GSO satellites systems, and established implementation milestones for the deployment of non-GSO constellations operating in some specific services and bands. WRC-19 also identified several Topics to be further examined under WRC-23 agenda item 7 by the ITU-R prior to consideration by WRC-23. In addition, proposals for additional topics to be included under WRC-23 agenda item 7 have been considered in ITU-R. At present, six Topics have been agreed to be studied including:

* Topic A: Tolerances for certain characteristics of the notified orbital planes for non-GSO systems in the FSS, BSS, and MSS
* Topic B: Possible development of a post milestone procedure for non-GSO BIU systems
* Topic C: Protection of GSO MSS in the 7/8 and 20/30 GHz bands

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* Topic D: Modifications to Annex 1 to Appendix 4 of RR Appendix 30B
* Topic E: Improved procedures in Appendix 30 B for new Member States.
* Topic F: Excluding uplink service area in AP30A for R1&3 and AP30B

Other topics may be identified as the 2019-2023 study cycle progresses.

**U.S. VIEW**: With respect to WRC-23 AI 7, Topic A (non-GSO tolerances), the United States supports the study into the need for such tolerances, and is of the view that the study of tolerances for the characteristics of notified orbital planes for non-GSO FSS, BSS, and MSS systems should be limited to the four parameters identified in the minutes of the Plenary of WRC-19: inclination of the orbital plane, the altitude of the apogee of the space station, the altitude of the perigee of the space station and the argument of the perigee of the orbital plane. Based on the results of these studies, allowable differences between the orbital characteristics of the notified orbital plane, as defined in No. **11.44C.1**, and the actual deployed orbital plane of a non-GSO space station may be able to be determined.

As for the remaining five Topics already identified by ITU-R for study under WRC-23 agenda item 7, as well as additional topics that may emerge before the deadline for consideration of new agenda item 7 Topics for WRC-23, the United States will establish its position on each independently, as appropriate.

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