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| **36 MEETING OF PERMANENT**  **CONSULTATIVE COMMITTEE II:**  **RADIOCOMMUNICATIONS**  **November 30 to December 4, 2020**  ***Virtual meeting*** | | **OEA/Ser.L/XVII.4.2.36**  **CCP.II-RADIO/doc. /20**  **7 November 2020**  **Original: English** | |
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|  | **U.S. PRELIMINARY VIEW ON WRC-23 AGENDA ITEM 1.9** | |  |
|  | **(Item on the Agenda: 3.1)** | |  |
|  | **(Document submitted by the United States of America)** | |  |

**Introduction:**

This document contains an attachment including the USA preliminary view on WRC-23 Agenda Item 1.9 for consideration in CITEL’s preparation for WRC-23.

**UNITED STATES OF AMERICA**

**DRAFT PRELIMINARY VIEW ON WRC-23 AI 1.9**

**AGENDA ITEM 1.9**: to review Appendix **27** of the Radio Regulations and consider appropriate regulatory actions and updates based on ITU-R studies, in order to accommodate digital technologies for commercial aviation safety-of-life applications in existing HF bands allocated to the aeronautical mobile (route) service and ensure coexistence of current HF systems alongside modernized HF systems, in accordance with Resolution **429 (WRC-19)**.

**BACKGROUND**:

Aeronautical high frequency (HF) technologies are evolving, so Appendix **27** of the Radio Regulations needs to be updated to accommodate new digital technologies.

Aeronautical mobile (R) service (AM(R)S) frequency bands in the range 2 850 – 22 000 kHz are used for long-distance aeronautical communications in remote and oceanic areas. The last substantive review of Appendix **27** of the ITU Radio Regulations was performed in 1982. Aviation is considering new technologies to significantly improve capacity, connectivity, and quality of service for aviation HF data and voice, including increased channel bandwidths for greater data throughput and digital voice.

**U.S. VIEW**:

To support studies called for by Resolution **429 (WRC-19)** to accommodate new digital technologies.