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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 1.6** | |  |
|  | **(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 1.6 for consideration in CITEL’s preparation for WRC-23.

**UNITED STATES OF AMERICA**

**DRAFT PRELIMINARY VIEW ON WRC-23 AI 1.6**

**AGENDA ITEM 1.6**: to consider, in accordance with Resolution **772 (WRC-19)**, regulatory provisions to facilitate radiocommunications for sub-orbital vehicles;

**BACKGROUND**:

Sub-orbital vehicles must operate in the same airspace as conventional aircraft while transitioning to and from space. Stations on board sub-orbital vehicles have a need for voice/data communications, navigation, surveillance, and telemetry and tracking and command (TT&C) applications to safely and effectively complete various mission requirements. The current regulatory provisions and procedures for terrestrial and space services may or may not be adequate for international use of relevant frequency assignments by stations on board sub-orbital vehicles.

Resolution **772 (WRC-19)** calls for studying spectrum needs and appropriate modifications to the Radio Regulations to accommodate sub-orbital vehicle radiocommunications requirements, excluding any new allocations or changes to the existing allocations in Article **5**[[1]](#footnote-1). There are several U.S. Commercial Space Transportation industry and government initiatives that could benefit from modification of the Radio Regulations as a result of these technical, operational, and regulatory studies.

**U.S. VIEW**:

To pursue studies called for by Resolution **772 (WRC-19)** as a basis for possible new regulatory provisions to support the growing radiocommunications needs of sub-orbital vehicles. These studies should address maintaining a safe and efficient airspace for all users, avoiding harmful interference to other radiocommunication services in the same and adjacent frequency bands and to existing applications of the same service in which stations on board sub-orbital vehicles operate, and avoidance of adverse impact on conventional space launch systems.

1. ITU-R is also invited to identify, as a result of studies, whether there is a need for access to additional spectrum that should be addressed after WRC-23. [↑](#footnote-ref-1)