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| **40 MEETING OF PERMANENT****CONSULTATIVE COMMITTEE II:****RADIOCOMMUNICATIONS****October 31 to November 04, 2022****Port of Spain, Trinidad and Tobago** | **OEA/Ser.L/XVII.4.2.39** **CCP.II-RADIO /doc. /22****6 October 2022****Original: English** |
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|  | **DRAFT PROPOSALS FOR THE WORK OF THE CONFERENCE** **AGENDA ITEM 9.1 TOPIC C** |
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|  | **(Item on the Agenda: 3.1)****(Document submitted by the United States of America)** |

**Impact on the sector:**

This document supports the CITEL PCCII WRC Working Group’s preparations for WRC-23.

**Executive Summary:**

This document contains a preliminary proposal from the United States for WRC-23 agenda item 9.1 Topic C.

**UNITED STATES OF AMERICA**

**DRAFT PROPOSALS FOR THE WORK OF THE CONFERENCE**

**Agenda Item 9, topic 9.1 c):**  *Use of International Mobile Telecommunications systems for fixed wireless broadband in the frequency bands allocated to the fixed service on a primary basis*

**Background**

Resolution **175 (WRC-19)** *resolves to invite the ITU Radiocommunication Sector* “to conduct any necessary studies on the use of IMT systems for fixed wireless broadband in the frequency bands allocated to the fixed service on primary basis, taking into account the relevant ITU-R studies, Handbooks, Recommendations and Reports,” and *instructs the Director of the Radiocommunication Bureau “*to report to WRC-23 on the results of these studies”.

**Discussion**

The ITU-R has previously developed a set of ITU-R recommendations and a study question in which IMT and other mobile technologies can be used to provide fixed wireless access (FWA), including broadband access for fixed and mobile services. However, these relevant F.Series Recommendations regarding FWA are outdated and do not reflect the current capability of wireless broadband technology. Based on the studies undertaken on WRC-23 agenda item 9.1 c), the ITU-R is considering approaches that will seek to revise and update Recommendations F.1401-1 and F.1763-1, so that they are more reflective of the current state of technology for broadband fixed wireless access. Other F.Series Recommendations/Reports relevant to FWA are also being reviewed.

FWA is a way of providing broadband access using wireless links between fixed points. The evolution of FWA solutions and advent of new use cases can enable FWA operators’ further ability to bridge the digital divide and offer connectivity to a broader population and reach underserved areas. Advancements in IMT network technologies have significantly improved the download, upload and latency capabilities of FWA. Given that upgrades to FWA will rely upon 5G standards and equipment, this compatibility makes FWA scalable.

The ITU-R, through the course of its normal Study Group activities, may continue studies towards the development of new, or revision of existing, Reports and Recommendations, to support the future development and use of IMT for fixed wireless broadband in the frequency bands allocated to the fixed and mobile services.

**Proposals**:

**NOC USA/9.1-C/1**

ARTICLE 5

Frequency allocations

**Reason:** The United States is of the view that changes to the Radio Regulations are outside the scope of Agenda item 9.1 topics. No changes to Article 5 including any identification of existing fixed service bands for IMT should be made under this Agenda Item.

**SUP USA/9.1-C/2**

 **RESOLUTION 175 (WRC-19)**

**Use of International Mobile Telecommunications Systems for Fixed Wireless Broadband in the Frequency Bands Allocated to the Fixed Service on a Primary Basis**

**Reason:** Consequential change as no further action is required by WRC-23 to address this topic.