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| **42 MEETING OF PERMANENT**  **CONSULTATIVE COMMITTEE II:**  **RADIOCOMMUNICATIONS**  **August 28 to September 01, 2023**  **Ottawa, Canada** | | **OEA/Ser.L/XVII.4.2.42**  **CCP.II-RADIO /doc. 5909/23**  **06 August 2023**  **Original: English** | |
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|  | **PROPOSALS FOR THE WORK OF THE CONFERENCE AGENDA ITEM 10 – PAI 2.12 IMT AERO 694-960 MHZ** | |  |
|  | **(Item on the Agenda: 3.1 (SGT-5))** | |  |
|  | **(Document submitted by the delegation of the United States of America)** | |  |

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| **Impact on the sector:** |
| This document supports the work of CITEL’s PCC.II Working Group for WRC under 3.1 of the agenda. |

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| **Executive Summary:** |
| Under agenda item 10, the United States proposes inclusion of preliminary agenda item 2.12 for the agenda of WRC-27 and a revision to Resolution 251 (WRC-19). The suppression of Resolution 812 (WRC-19) is also proposed as a new WRC Resolution will be required to replace it. |

**UNITED STATES OF AMERICA**

**PROPOSALS FOR THE WORK OF THE CONFERENCE**

**Agenda Item 10**

**Continuation of agenda item 2.12 on the preliminary WRC-27 agenda and no change of corresponding Resolution 251 (WRC‑19)**

**Background:**

WRC-27 preliminary agenda item 2.12 will consider the use of existing International Mobile Telecommunications (IMT) identifications in the frequency range 694-960 MHz, by consideration of the possible removal of the limitation regarding aeronautical mobile in IMT for the use of IMT user equipment by non-safety applications, where appropriate

**SUP USA/10 (IMT AERO)/1**

RESOLUTION 812 (WRC-19)

Preliminary agenda for the 2027 World Radiocommunication Conference

**Reasons:** This Resolution must be suppressed, as WRC-23 will create a new Resolution that will include the agenda for WRC-27.

**ADD USA/10 (IMT Aero)/2**

RESOLUTION [A10] (WRC-23)

**Agenda for the 2027 World Radiocommunication Conference**

The World Radiocommunication Conference (Dubai, 2023),

*considering*

*a)* that, in accordance with No. 118 of the ITU Convention, the general scope of the agenda for a world radiocommunication conference (WRC) should be established four to six years in advance and that a final agenda shall be established by the ITU Council two years before the conference;

*b)* Article 13 of the ITU Constitution relating to the competence and scheduling of WRCs and Article 7 of the Convention relating to their agendas;

*c)* the relevant resolutions and recommendations of previous world administrative radio conferences (WARCs) and WRCs,

*recognizing*

*a)* that this conference has identified a number of urgent issues requiring further examination by WRC‑27;

*b)* that, in preparing this agenda, some items proposed by administrations could not be included and have had to be deferred to future conference agendas,

*resolves*

to recommend to the Council that a WRC be held in 2027 for a maximum period of four weeks, with the following agenda:

1 on the basis of proposals from administrations, taking account of the results of WRC‑19 and the Report of the Conference Preparatory Meeting, and with due regard to the requirements of existing and future services in the frequency bands under consideration, to consider and take appropriate action in respect of the following items:

1.x to consider the use of existing International Mobile Telecommunications (IMT) identifications in the frequency range 694-960 MHz, by consideration of the possible removal of the limitation regarding aeronautical mobile in IMT for the use of IMT user equipment by non-safety applications, where appropriate, in accordance with Resolution 251 (WRC-19);

**. . .**

*invites the ITU Council*

to finalize the agenda and arrange for the convening of WRC‑27, and to initiate as soon as possible the necessary consultations with Member States,

*instructs the Director of the Radiocommunication Bureau*

1 to make the necessary arrangements to convene meetings of the Conference Preparatory Meeting (CPM) and to prepare a report to WRC‑27;

2 to submit a draft report on any difficulties or inconsistencies encountered in the application of the Radio Regulations referred in agenda item 9.2 to the second session of the CPM and to submit the final report at least five months before the next WRC,

*instructs the Secretary-General*

to communicate this Resolution to international and regional organizations concerned.

**Reason:** that there is a need for greater connectivity of aeronautical vehicles to address existing

demand and future requirements from the aeronautical community and International Mobile Telecommunications (IMT) networks can provide connectivity services to helicopters, small aircraft and unmanned aircraft systems (UAS).

**MOD USA/10 (IMT Aero)/3**

**RESOLUTION 251 (rev. WRC-23)**

**Removal of the limitation regarding aeronautical mobile in the frequency range**

**694-960 MHz for the use of International Mobile Telecommunications user**

**equipment by non-safety applications**

The World Radiocommunication Conference (Dubai, 2023),

*considering*

a) that there is a need for greater connectivity of aeronautical vehicles to address existing

demand and future requirements from the aeronautical community;

b) that current and future International Mobile Telecommunications (IMT) networks can

provide connectivity services to helicopters, small aircraft and unmanned aircraft systems (UAS);

c) that current and future IMT networks may provide communication functions for the

beyond visual line-of-sight operation of UAS;

d) that future IMT networks may support direct air-ground connectivity services to

commercial airplanes with specific equipment on board airplanes;

e) that the IMT capacities identified in the considering paragraphs above have been

demonstrated to be feasible by several studies and are currently being developed by standards

development organizations,

*noting*

a) that ITU Radiocommunication Sector sharing and compatibility studies supporting the

identification of specific frequency bands for IMT did not consider the use cases described in

considering b) to e);

b) that the frequency band 694-960 MHz is allocated on a primary basis to the mobile,

except aeronautical mobile, service in Region 1;

c) that the frequency bands 890-902 MHz and 928-942 MHz are allocated on a primary

basis to the mobile, except aeronautical mobile, service in Region 2 and that the frequency band 902-928 MHz is allocated on a secondary basis to the mobile, except aeronautical mobile, service in Region 2;

d) that Nos. 5.312 and 5.323 allocate the frequency band 645-960 MHz or parts thereof to

the aeronautical radionavigation service on a primary basis in several countries of Region 1;

e) that the frequency band 694-960 MHz is allocated on a primary basis to the broadcasting

service in Region 1;

f) that Resolution 224 (Rev.WRC-19) addresses frequency bands for the terrestrial

component of IMT below 1 GHz;

g) that Resolution 749 (Rev.WRC-19) addresses the use of the frequency band 790-

862 MHz in countries of Region 1 and the Islamic Republic of Iran by mobile applications and by other services;

h) that Resolution 760 (Rev.WRC-19) addresses provisions relating to the use of the

frequency band 694-790 MHz in Region 1 by the mobile, except aeronautical mobile, service and by other services,

*recognizing*

that the removal of the limitation regarding aeronautical mobile in the proposed frequency bands would enable the unified use of the IMT identifications by aeronautical user equipment throughout the Regions;

*resolves to invite the ITU Radiocommunication Sector*

1 to assess relevant aeronautical mobile service scenarios for air-ground and ground-air

connectivity for airborne user equipment in IMT networks to be addressed in compatibility and sharing studies;

2 to identify relevant technical parameters associated with the aeronautical mobile systems to be used for studies;

3 to conduct sharing and compatibility studies with existing primary services, including in adjacent frequency bands;

4 to determine the possibility of removing the aeronautical mobile service exception or other suitable regulatory measures in the frequency ranges 694-960 MHz in Region 1 and 890-942 MHz in Region 2, based on the results of studies,

*invites the 2027 World Radiocommunication Conference*

to consider the results of the above studies and take appropriate actions