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| **41 MEETING OF PERMANENT****CONSULTATIVE COMMITTEE II:****RADIOCOMMUNICATIONS****May 22 to 26, 2023****Mexico City, Mexico** | **OEA/Ser.L/XVII.4.2.41****CCP.II-RADIO /doc. /23****01 May 2023****Original: English** |
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|  | **PROPOSALS FOR THE WORK OF THE CONFERENCE****AGENDA ITEM 10** |  |
|  | **(Item on the Agenda: 3.1 (SGT-5))** |  |
|  | **(Document submitted by the administration 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:**

Under agenda item 10, the United States proposes to suppress agenda item 2.6 from the WRC-27 preliminary agenda along with the consequential suppression of Resolution **657** (**REV. WRC-19**) as it is no longer needed.

**UNITED STATES OF AMERICA**

**PROPOSALS FOR THE WORK OF THE CONFERENCE**

**Agenda Item 10**

**Discontinuation of agenda item 2.6 on the preliminary WRC-27 and the suppression of corresponding Resolution 657 (Rev.WRC‑19)**

**Background:**

WRC-15 decided to review the results of studies relating to the technical and operational characteristics, spectrum requirements and appropriate radio service designations for space weather sensors, with a view to providing appropriate recognition and protection in the Radio Regulations without placing additional constraints on incumbent services in accordance with Resolution **657 (WRC 15)**. Those studies led to the development of Report ITU-R RS.2456-0 “Space weather sensor systems using radio spectrum”. This ITU-R Report led WRC-19 to revise Resolution **657** (**WRC-15)** and continue studies under WRC-23 agenda item 9.1 Topic A. No further updates have been made to the report since 2019.

The studies performed by the responsible group for WRC-23 agenda item 9.1A did not make any certain determinations as to which radiocommunication service that space weather sensors could be associated with. Noting this, a set of potential regulatory solutions were developed, to include Article 1 and 4 regulatory solutions along with a draft WRC Resolution [SW Importance] that attempts to associate space weather sensors to the Metaids service. Furthermore, these regulatory solutions were proposed without any basis to space weather sensor candidate frequency bands. As a result, appropriate sharing and compatibility studies between space weather sensors and incumbent services could not be considered under this agenda item. Consequently, the compatibility of narrowband MSS systems and the protection of incumbent services, both in-band and adjacent band, as well as the feasibility of designating space weather sensors as applications of the Metaids service; could not be determined.

As such, the introduction of these regulatory solutions for space weather sensors are not appropriate or implementable and could introduce unforeseen constraints to affected incumbent services, thus creating difficulties and inconsistencies in the application of the Radio Regulations.

Studies to further define the technical and operation aspects including protection requirements for space radar sounders could be continued through the development of ITU-R Resolutions, Recommendations and Reports during the course of work in the ITU-R Study Groups.

The United States’ proposal to discontinue consideration of preliminary WRC-27 agenda item 2.6 follows:

**Proposals**

SUP USA/10 (No Space Weather Sensor Studies)/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, and the United States proposes that agenda item 2.6 from Resolution **812 (WRC-19)** not be on that agenda.

SUP USA/10 (No Space Weather Sensor Studies)/2

RESOLUTION 657 (Rev. WRC-19)

Protection of radio spectrum-reliant space weather sensors used for global prediction and warnings

**Reasons:** Consequential to non-inclusion of *resolves* 2.6 from the preliminary WRC-27 agenda on the WRC-27 agenda adopted by WRC-23.