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| **US Radiocommunication Sector****FACT SHEET** |
| **Working Party:** ITU-R WP 5C | **Document No:** USWP5C32-XX |
| **Reference:** WRC-27 AI 1.10, and Doc 5C/74 | **Date:** March 17, 2025 |
| **Document Title:** Proposed draft liaison statement to Working Parties 3J and 3M for Agenda Item 1.10 |
| **Author(s)/Contributor(s):**Andrew MeadowsAFSMOVictory NguyeneSimplicity for AFSMOThomas ShanholtzeSimplicity for AFSMO | Phone: 334-467-4720E-mail: andrew.meadows.1@us.af.milPhone: 443-535-3942E-mail: victory.nguyen@esimplicity.comPhone: 304-703-3990 E-mail: thomas.shanholtz@esimplicity.com |
| **Purpose/Objective:** This contribution proposes a draft liaison statement to Working Parties 3J, 3M, and 3K to seek guidance on the propagation models to use for the Agenda Item 1.10 studies.  |
| **Abstract:** This contribution seeks guidance from Working Parties 3J, 3M, and 3K on the application of Recommendation ITU-R P.2108 in the Agenda Item 1.10 studies.  |
| **Fact Sheet Preparer:** Victory Nguyen  |

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| **Radiocommunication Study Groups** |  |
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| Source: Subject: WRC-27 Agenda Item 1.10 | **Document 5C/XX** |
| **XX May 2025** |
| **English only** |
|  United States of America  |
| proposed draft liaison statement to Working parties 3J, 3M, and 3K**Relevant technical information for sharing studies under WRC-27 Agenda Item 1.10** |
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**Introduction**

WRC-27 Agenda Item 1.10 considers developing power flux-density and equivalent isotropically radiated power limits for inclusion in Article 21 of the Radio Regulations for the fixed-satellite, mobile-satellite and broadcasting-satellite services to protect the fixed and mobile services in the frequency bands 71-76 GHz and 81-86 GHz, in accordance with Resolution 775 (Rev.WRC-23).

In order to properly conduct the studies, WPs 3J and 3M provided WP 5C with recommended propagation models to use in the studies. WP 5C seeks guidance on the use of Recommendation ITU-R P.2108 in the studies.

Attachment: 1

**ATTACHMENT**

# Working Party 5C

PROPOSAL DRAFT REPLY LIAISON STATEMENT TO WORKING PARTIES 3J, 3M, AND 3K

**Relevant technical information for sharing studies under WRC-27 Agenda Item 1.10**

Working Party (WP) 5C thanks WPs 3J, 3M, and 3K for its reply liaison statement ([Document 5C/74](https://www.itu.int/md/R23-WP5C-C-0074/en)) providing the recommended propagation models to use for the Agenda Item 1.10 studies.

According to the document, in addition to using Recommendation ITU-R P.452 and Recommendation ITU-R P.619, it is also recommended to use Recommendation ITU-R P.2108, section 3.2, to calculate additional loss due to clutter from urban and suburban areas. However, section 3.2 of P.2108 is only applicable in the 0.5 to 67 GHz frequency range. The studies for Agenda Item 1.10 are 71-76 GHz (space to Earth) and 81-86 GHz (Earth to space).

WP 5C seeks guidance on how to proceed with the use of Recommendation ITU-R P.2108 or any other Recommendations in the Agenda Item 1.10 studies.

Status: For action

Contact: TBD E-mail: TBD