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| U.S. Radiocommunication Sector  Fact Sheet | |
| **Working Party:** ITU-R WP 7D | **Document No:** 24USWP7D\_13\_NC |
| **Ref:** | **Date:** January 29, 2024 |
| **Document Title:** Draft Liaison Statement to Working Parties 4A and 4C (Copied to Working Parties 3J, 3M, 5A, 5B, and 5C for information): Agenda Item 1.18 | |
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| **Purpose/Objective:** To liaise with ITU-R Working Parties (WP) 4A and 4C regarding technical and operational characteristics relevant to Agenda Item 1.18 | |
| **Abstract:**  The outcome of CPM 27-1 indicates Working Parties (WP) 4A and 4C are contributing groups for agenda item 1.18. These groups are responsible for fixed-satellite service (FSS) and mobile-satellite service (MSS) system characteristics, and this liaison statement is intended to request relevant system characteristics. | |
| **Fact Sheet Preparer:** J. Williams | |

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| **Radiocommunication Study Groups** |  |
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| Received: | **Document 7D/USA-E** |
| **XX March 2024** |
| **English only** |
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| United States of America | |
| DRAFT liaison statement to Working parties 4A and 4C (Copied to Working Parties 3J, 3M, 5A, 5B, and 5C for information) on wrc-27 Agenda item 1.18 | |
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**Introduction**

CPM 27-1 identified Working Parties (WP) 4A and 4C as among the contributing groups for WRC-27 agenda item 1.18. The attached draft liaison is proposed to request the technical and operational characteristics for the fixed-satellite service (FSS) and mobile-satellite service (MSS) regarding the frequency bands and other inquires and studies detailed in Resolution **712 (WRC-23)**.

**Attachment**

ATTACHMENT

Working Party 7D

LIAISON STATEMENT TO WORKING PARTIES 4A and 4C (Copied to Working Parties 3J, 3M, 5A, 5B, and 5C for information)

WRC-27 Agenda Item 1.18

Resolution **712 (WRC-23)** calls for studies of impacts to radio astronomy service (RAS) systems as follows:

2 compatibility studies between the RAS and the active satellite services in certain adjacent and nearby frequency bands listed in Table 2 below with a view to setting the relevant threshold levels for unwanted emissions from any geostationary orbit (GSO) and non-GSO space stations, and revising and updating Resolution **739 (Rev.WRC‑19)** accordingly:

Table 2

RAS frequency bands to be studied and corresponding active services to be included

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| RAS frequency band | Active satellite service frequency band | Active satellite service  (space-to-Earth) |
| 76-81 GHz | 71-76 GHz | Fixed-satellite service (FSS), mobile-satellite service (MSS), broadcasting-satellite service (BSS) |
| 130-134 GHz | 123-130 GHz | FSS, MSS, radionavigation-satellite service (RNSS) |
| 164-167 GHz | 167-174.5 GHz | FSS |
| 226-231.5 GHz | 232-235 GHz | FSS |

As the responsible group for WRC-27 Agenda Item 1.18, Working Party (WP) 7D invites WP 4A and WP 4C to provide technical and operational system characteristics relevant to the conduct of these studies.

**Deadline**: 21 December 2024

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| **Status:** Working Parties 4A and 4C , for action  Working Parties 3J, 3M, 5A, 5B, and 5C, for information |  |
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