| **US Radiocommunication Sector**  **FACT SHEET** | | | |
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| **Study Group:** USWP 7C | | **Document No:** US 7C/27-004NC | |
| **Reference:** WRC-27 AI 1.18 | | **Date:** 14 February 2024 | |
| **Document Title:**  Proposed Draft Liaison Statement to Working Parties 3J, 3M 4A, 4C, 5A, 5B and 5C Regrading WRC-27 Agenda Item 1.18 | | | |
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| **Purpose/Objective**: This document proposes a draft liaison statement to be sent to the contributing groups regarding Agenda item 1.18. WP 7C is the responsible group for *resolves* 1 of Resolution **712 (WRC-23)** | | | |
| **Abstract**: | | | |
| **Fact Sheet Preparer:** David Franc (NASA) | | | |

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| **Radiocommunication Study Groups** | Logo  Description automatically generated |
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| PROPOSED Draft Liaison Statement to Working PartIES 3J, 3M, 4A, 4C, 5A, 5B and 5C relating to AGenda item 1.18 | |
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The United States proposes the attached draft liaison statement for initiating the work with the contributing groups, as designated in Administrative Circular CA/270, for WRC-27 Agenda Item 1.18 (*resolves* 1 of Resolution **712** (WRC-23)).

**Attachments:** 1

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| **ATTACHMENT** |

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| **Working Party 7C** |
| DRAFT Liaison statement To ITU-R Working parties 3j, 3M, 4a, 4C, 5A, 5B and 5C |
| **Relevant technical information to support studies under WRC-27 agenda item 1.18** |

ITU-R Circular CA/270 from CPM27-1 identifies Working Party (WP) 7C as the responsible group for carrying out studies under *resolves* 1 of Resolution **712 (WRC-23)** related to WRC-27 agenda item 1.18, “…possible regulatory measures regarding the protection of the Earth exploration-satellite service (passive) and the radio astronomy service in certain frequency bands above 76 GHz from unwanted emissions of active services, in accordance with Resolution 712 (WRC-23)”.

In order to perform the requisite compatibility studies, Working Party7C requests the contributing groups to provide information on the technical and operational characteristics, as well as protection criteria, for the active services listed in the following table:

EESS (passive) frequency bands to be studied and corresponding active services to be included

| EESS (passive) frequency band | Active service frequency band | Active service |
| --- | --- | --- |
| 86-92 GHz | 81-86 GHz | Fixed-satellite service (FSS) (Earth-to-space), mobile service (MS) |
| 92-94 GHz | MS, radiolocation service (RLS) |
| 114.25-116 GHz | 111.8-114.25 GHz | Fixed service (FS), MS |
| 164-167 GHz | 158.5-164 GHz | FS, FSS (space-to-Earth), MS, mobile-satellite service (MSS) (space-to-Earth) |
| 167-174.5 GHz | FS, FSS (space-to-Earth), inter-satellite service (ISS), MS |
| 200-209 GHz | 191.8-200 GHz | FS, ISS, MS, MSS, radionavigation service (RNS), radionavigation-satellite service (RNSS) |
| 209-217 GHz | FS, FSS (Earth-to-space), MS |

In addition, Working Party 7C requests guidance on the relevant propagation models from Working Parties 3J and 3M necessary to perform these studies.

Working Party 7C looks forward to the close coordination with the contributing Working Parties and will keep these groups apprised as the work develops under agenda item 1.18.

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| **Status:** For action |  |
| **Deadline:** 31 December 2024 |  |
| **Contact person(s):** |  |